

Supplement
to the
Annual Report 2008

Berlin 2008

Supplement, Annual Report 2008

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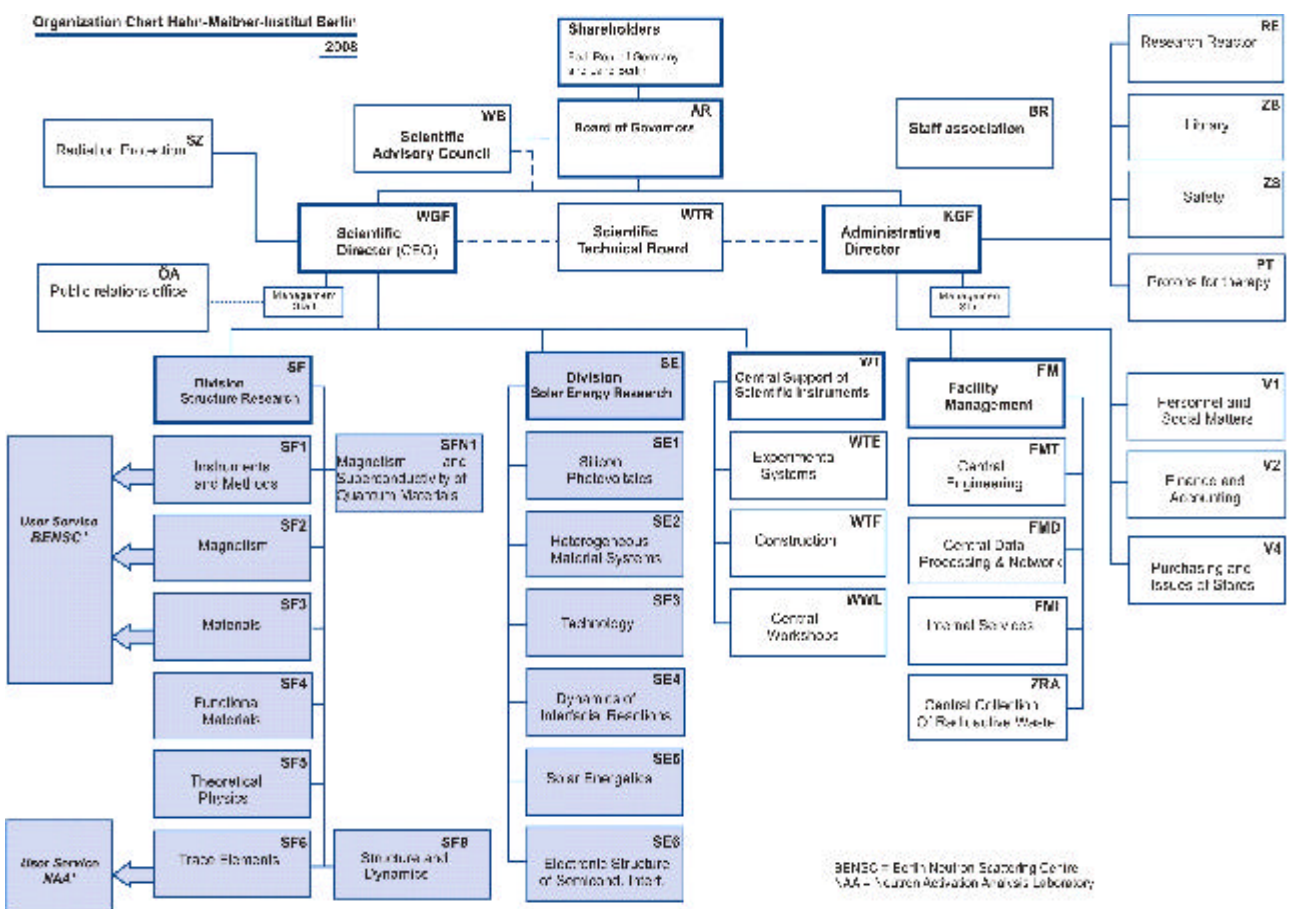
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Preface

This supplement to the Annual Report 2008 is supposed to provide in addition to the scientific highlights of the HZB a survey of the scientific activities in terms of publications, contributions to conferences etc.

Following the internal organisation of the institute, these lists are ordered along the divisions, departments and, wherever reasonable, along the R&D-projects within the latter. Publications and conference contributions are ascribed to a definite R&D-project. When authors from different departments have contributed, this contribution is listed under all involved departments and the respective R&D-project is indicated.

The organisation chart for the scientific divisions valid for 2008 reads as follows:



R&D-projects in the matrix of departments versus Helmholtz programmes

Dep	Research fields and programmes			
	Structure of Matter: PNI	Health	Energy	
	Research	Large scale facilities	Environ. Health	Renewable Energies
		BENSC.External BENSC.User		
SF1	SF1.Methods SF1.Spallation SF1.Dynamics	SF1.BENSC		
SF2	SF2.Thin films SF2.Novel Materials SF2.Quantum Phenomena	SF2.BENSC SF2.BESSY		
SF3	SF3.Microstructure SF3.Light weight mat. SF3.Tomography SF3.Scattering	SF3.BENSC SF3.BESSY		
SF5	SF5.Soft Matter SF5.Hard Matter SF5.Biosystems			
SF6		SF6.NAA	SF6.Analysis SF6.Proteins	
SF8	SF8.Dynamics SF8.Structures			
SFN1	SFN.1 Magnetism			
SE1				SE1.Cells SE1.Hetero
SE2				SE2.Semico SE2.Contacts SE2.Integration SE2.Chemistry SE2.Concepts SE2.Analytics
SE3				SE3.Baseline SE3.Control
SE4				SE4.Cells SE4.Dynamics
SE5				SE5.Energetics SE5.Interfaces
SE6				SE6.Interfaces SE6.BESSY

Publications

SF - Structural Research

SF - BENSC

BENSC.User

Bordallo, H.N. ; Boldyreva, E.V. ; Buchsteiner, A. ; Koza, M.M. ; Landsgesell, S.

Structure-property relationships in the crystals of the smallest amino acid: An incoherent inelastic neutron scattering study of the glycine polymorphs

Journal of Physical Chemistry B

112 (2008) 8748 - 8759

Dalle-Ferrier, C. ; Eibl S. ; Pappas, C. ; Alba-Simionesco, C.

Temperature dependence of three-point correlation functions of viscous liquids: the case of glycerol

Journal of Physics: Condensed Matter

20 (2008) 494240/1 - 7

Skupin, A. ; Kettenmann, H. ; Winkler, U. ; Wartenberg, M. ; Sauer, H. ; Tovey, S.C. ; Taylor, C.W. ; Falcke, M.

How does intracellular Ca²⁺ oscillate: By chance or by the clock?

Biophysical Journal

94 (2008) 2404 - 2411

SF1.BENSC

Bellouard, C. ; Faure-Vincent, J. ; Tiusan, C. ; Montaigne, F. ; Hehn, M. ; Leiner, V. ; Fritzsche, H. ; Gierlings, M.

Interlayer magnetic coupling in Fe/MgO junctions characterized by vector magnetization measurements combined with polarized neutron reflectometry

Physical Review B

78 (2008) 134429/1 - 8

Chang, J. ; Niedermayer, Ch. ; Gilardi, R. ; Christensen, N.B. ; Ronnow, H.M. ; McMorrow, D.F. ; Ay, M. ; Stahn, J. ; Sobolev, O. ; Hiess, A. ; Pailhes, S. ; Baines, C. ; Momono, N. ; Oda, M. ; Ido, M. ; Mesot, J.

Tuning competing orders in La_{2-x}Sr_xCuO₄ cuprate superconductors by the application of an external magnetic field

Physical Review B

78 (2008) 104525/1 - 5

Davies, C. M. ; Wimpory, R.C. ; Tabuchi, M. ; Dean, D.W. ; Nikbin, K.M.

The influence of specimen geometry and test times on high temperature crack growth behaviour in parent and welded 316H stainless steel

In: Proceedings of PVP2008 ASME Pressure Vessels and Piping Division Conference July 27-31, 2008, Chicago, Illinois, USA [Ausg. auf CD]

2008, 1 - 9

Davies, C.M. ; Wimpory, R.C. ; Beres, M. ; Lightfoot, M.P. ; Dye, D. ; Oliver, E. ; O'Dowd, N.P. ; Bruce, G.J. ; Nikbin, K.M.

The effect of residual stress and microstructure on distortion in thin welded steel plates

In: Proceedings of the ASME Pressure Vessels and Piping Conference - 2007. Vol. 6: Materials and Fabrication, eds. Lidbury, D.

ASME, New York, 2008, 851 - 858

Davies, C.M. ; Wimpory, R.C. ; Dye, D. ; Nikbin, K.M.

The effects of plate dimensions on residual stresses in welded thin steel plates

In: Proceedings of PVP2008 ASME Pressure Vessels and Piping Division Conference July 27-31, 2008, Chicago, Illinois, USA [Ausg. auf CD]

2008, 1 - 9

Desmedt, A. ; Kitchin, S.J. ; Harris, K.D.M. ; Guillaume, F. ; Tykwinski, R.R. ; Xu, M. ; Gonzalez, M.A.

Dynamic properties of solid ammonium cyanate

Journal of Physical Chemistry C

512 (2008) 15870 - 15879

Garlea, V.O. ; Zheludev, A. ; Regnault, L.-P. ; Chung, J.-H. ; Qiu, Y. ; Boehm, M. ; Habicht, K. ; Meissner, M.

Excitations in a four-leg antiferromagnetic Heisenberg spin tube

Physical Review Letters

100 (2008) 037206/1 - 4

Gummel, J. ; Boué, F. ; Clemens, D. ; Cousin, F.

Finite size and inner structure controlled by electrostatic screening in globular complexes of proteins and polyelectrolytes

Soft Matter

4 (2008) 1653 - 1664

Hollmann, O. ; Steitz, R. ; Czeslik, C.

Structure and dynamics of alpha-lactalbumin adsorbed at a charged brush interface

Physical Chemistry Chemical Physics

10 (2008) 1448 - 1456

Itagaki, N. ; Kokalova, T. ; Ito, M. ; Kimura, M. ; von Oertzen, W.

Coupling between alpha-condensed states and normal cluster states

Physical Review C

77 (2008) 037301

Ivanova, O. ; Soltwedel, O. ; Gopinadhan, M. ; Köhler, R. ; Steitz, R. ; Helm, C.A.

Immobile light water and proton - deuterium exchange in polyelectrolyte multilayers

Macromolecules

41 (2008) 7179 - 7185

Krist, T. ; Teichert, A. ; Meltchakov, E. ; Vidal, V. ; Zoethout, E. ; Müllender, S. ; Bijkerk, F.

Stress reduction in multilayers used for X-ray and neutron optics

In: Modern developments in X-ray and neutron optics, eds. Erko, A. [u.a.]

Springer, Berlin, 2008, 371 - 388

Le, M.D. ; McEwen, K.A. ; Park, J.-G. ; Lee, S. ; Iga, F. ; Rule, K.C.

Magnetic excitations in the ordered phases of praseodymium hexaboride

Journal of Physics: Condensed Matter

20 (10) (2008) 104231/1 - 6

Neov, D. ; Ohms, C. ; Wimpory, R.C. ; Youtsos, A.G.

Residual stress analyses by neutron diffraction in irradiated double-V butt welded steel plates

Materials Science Forum

571-572 (2008) 381 - 386

O'Dowd, N. P. ; Nikbin, K. M. ; Wimpory, R.C. ; Biglari, F. R. ; O'Donnell, M.P.

Computational and experimental studies of high temperature crack initiation in the presence of residual stress

Journal of Pressure Vessel Technology

130 (2008) 041403/1 - 7

Ohms, C. ; Martins, R.V. ; Uca, O. ; Youtsos, A.G. ; Bouchard, P.J. ; Smith, M. ; Keavey, M. ; Bate, S.K. ; Gilles, P. ; Wimpory, R.C. ; Edwards, L.

The European Network on Neutron Techniques Standardization for Structural Integrity - NeT

In: Proceedings of PVP2008 ASME Pressure Vessels and Piping Division Conference July 27-31, 2008, Chicago, Illinois, USA [Ausg. auf CD]

2008, 1 - 13

Ortore, M.G. ; Sinibaldi, R. ; Spinuzzi, F. ; Carsughi, F. ; Clemens, D. ; Bonincontro, A. ; Mariani, P.

New insights into urea action on proteins: A SANS study of the lysozyme case

Journal of Physical Chemistry B

112 (2008) 12881 - 12887

Papaefthimiou, V. ; Steitz, R. ; Findenegg, G.H.

Schaltbare Oberfläche. Responsive Polymerschichten

Chemie in unserer Zeit

42 (2008) 102 - 115

Podlesnyak, A. ; Russina, M. ; Furrer, A. ; Alfonso, A. ; Vavilova, E. ; Kataev, V. ; Büchner, B. ; Strässle, Th. ; Pomjakushina, E. ; Conder, K. ; Khomskii, D.I.

Spin-state polarons in lightly-hole-doped LaCoO₃

Physical Review Letters

101 (2008) 247603/1 - 4

Remhof, A. ; Friedrichs, O. ; Buchter, F. ; Mauron, Ph. ; Züttel, A. ; Wallacher, D.

Solid-state synthesis of LiBD₄ observed by in situ neutron diffraction

Physical Chemistry Chemical Physics

10 (38) (2008) 5859 - 5862

Robinson, J.S. ; Truman, C.E. ; Hossain, S. ; Wimpory, R.

Residual stress and microstructural variations in thick aluminium alloy forgings

Materials Science Forum

571-572 (2008) 45 - 50

Ruegg, C. ; Kiefer, K. ; Thielemann, B. ; McMorro, D.F. ; Zapf, V. ; Normand, B. ; Zvonarev, M.B. ; Bouillot, P. ; Kollath, C. ; Giamarchi, T. ; Capponi, S. ; Poilblanc, D. ; Biner, D. ; Kramer, K.W.

Thermodynamics of the Spin Luttinger Liquid in a Model Ladder Material

Physical Review Letters

101 (2008) 247202

Salak A.N. ; Vyshatko N.P. ; Khalyavin D.D. ; Prokhnenko O. ; Ferreira V.M.

Low-temperature structural and dielectric phenomena in La_{1/3}NbO₃ and La_{1/3}TaO₃: Comparative study

Applied Physics Letters

93 (16) (2008) 162903/1 - 3

Senff, D. ; Schumann, O. ; Benomar, M. ; Kriener, M. ; Lorenz, T. ; Sidis, Y. ; Habicht, K. ; Link, P. ; Braden, M.

Melting of magnetic correlations in charge-orbital ordered La_{1/2}Sr_{3/2}MnO₄ : Competition of ferromagnetic and antiferromagnetic states

Physical Review B

77 (2008) 184413/1 - 14

Turski, M. ; Wimpory, R.C. ; O'Dowd, N. P. ; Withers, P.J. ; Nikbin, K.M.

A comparison of measurement and modelling of plastically induced residual stresses in a 316H and a weld 347 stainless steel

In: Proceedings of the ASME Pressure Vessels and Piping Conference - 2007. Vol. 9: 8th International Conference on Creep and Fatigue at Elevated Temperatures : CREEP 8, eds. Jaske, C.E.

ASME, New York, 2008, 89 - 98

Venter, A.M. ; van der Watt, M.W. ; Wimpory, R.C. ; Schneider, R. ; McGrath, P.J. ; Topic, M.

Neutron strain investigations of laser bent samples

Materials Science Forum

571-572 (2008) 63 - 68

Wimpory, R.C. ; Mikula, P. ; Saroun, J. ; Poeste, T. ; Li, J. ; Hofmann, M. ; Schneider, R.

Efficiency boost of the materials science diffractometer E3 at BENSC: One order of magnitude due to a horizontally and vertically focusing monochromator

Neutron News
19 (1) (2008) 16 - 19

Wimpory, R.C. ; Ohms, C. ; Hofmann, M. ; Schneider, R. ; Youtsos, A.G.

Problems in the averaging of neutron diffraction stress data from round-robin campaigns

Materials Science Forum
571-572 (2008) 283 - 288

Wolff, M. ; Steitz, R. ; Gutfreund, P. ; Voss, N. ; Gerth, S. ; Walz, M. ; Magerl, A. ; Zabel, H.

Shear induced relaxation of polymer micelles at the solid - liquid interface

Langmuir
24 (2008) 11331 - 11333

SF2.BENSC

Baldelli Bombelli, F. ; Berti, D. ; Milani, S. ; Lagi, M. ; Barbaro, P. ; Karlsson, G. ; Brandt, A. ; Baglioni, P.

Collective headgroup conformational transition in twisted micellar superstructures

Soft Matter
4 (2008) 1102 - 1113

Baranov, N.V. ; Michor, H. ; Hilscher, G. ; Proshkin, A. ; Podlesnyak, A.

Extra T-linear specific heat contribution induced by the f-d-exchange in Gd-Ni binary compounds

Journal of Physics: Condensed Matter
20 (2008) 325233/1 - 7

Bastjan M. ; Singer S.G. ; Neuber G. ; Eller S. ; Aliouane N. ; Argyriou D.N. ; Cooper S.L. ; Rübhausen M.

Magneto-optical study of the spin-polarized electronic states in multiferroic TbMnO₃

Physical Review B
77 (2008) 193105/1 - 3

Biehl, R. ; Hoffmann, B. ; Monkenbusch, M. ; Falus, P. ; Preost, S. ; Merkel, R. ; Richter, D.

Direct observation of correlated interdomain motion in alcohol dehydrogenase

Physical Review Letters
101 (2008) 138102/1 - 4

Bogach, A. ; Bogomolov, L. ; Glushkov, V. ; Demishev, S. ; Sluchanko, D. ; Sluchanko, N. ; Shitsevalova, N. ; Levchenko, A. ; Filipov, V. ; Flachbart, K. ; Siemensmeyer, K.

Bulk and local magnetic susceptibility of ErB₁₂

Acta Physica Polonica A
113 (2008) 271 - 274

Bonini, M. ; Lenz, S. ; Falletta, E. ; Ridi, F. ; Carretti, E. ; Fratini, E. ; Wiedenmann, A. ; Baglioni, P.

Acrylamide-based magnetic nanosponges: A new smart nanocomposite material

Langmuir
24 (2008) 12644 - 12650

Dante, S. ; Hauß, Th. ; Brandt, A. ; Dencher, N.A.

Membrane fusogenic activity of the Alzheimer's peptide A β (1-42) demonstrated by small-angle neutron scattering

Journal of Molecular Biology
376 (2008) 393 - 404

De Lisi, R. ; Gradzielski, M. ; Lazzara, G. ; Milioto, S. ; Muratore, N. ; Prevost, S.

Aqueous Laponite Clay Dispersions in the Presence of Poly(ethylene oxide) or Poly(propylene oxide) Oligomers and their Triblock Copolymers

Journal of Physical Chemistry B
112 (31) (2008) 9328 - 9336

Dyakonov, V. ; Bukhanko, F.N. ; Kamenev, V.I. ; Zubov, E.E. ; Arciszewska, M. ; Dobrowolski, W. ; Mikhaylov, V. ; Puzniak, R. ; Wisniewski, A. ; Piotrowski, K. ; Varyukhin, V. ; Szymczak, H. ; Szytula, A. ; Duraj, R. ; Stüsser, N. ; Arulraj, A. ; Baran, S. ; Penc, B. ; Jaworska-Golab, T.

Lattice distortion effect on structure and on spin ordering of Mn ions in $\text{La}_{1-x}\text{Nd}_x\text{MnO}_3+\delta$ manganites

Physical Review B
77 (2008) 214428/1 - 12

Efimova, E. ; Efimov, V. ; Karpinsky, D. ; Kuzmin, A. ; Purans, J. ; Sikolenko, V. ; Tiutiunnikov, S. ; Troyanchuk, I. ; Welter, E. ; Zajac, D. ; Simkin, V. ; Sazonov, A.

Short- and long-range order in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ and $\text{La}_{1-x}\text{Ba}_x\text{CoO}_3$

Journal of Physics and Chemistry of Solids
69 (2008) 2187 - 2190

Gabani, S. ; Matas, S. ; Priputen, P. ; Flachbart, K. ; Siemensmeyer, K. ; Wulf, E. ; Evdokimova, A. ; Shitsevalova, N.

Magnetic structure and phase diagram of TmB_2

Acta Physica Polonica A
113 (2008) 227 - 230

Gamari-Seale, H. ; Troyanchuk, I.O. ; Sazonov, A.P. ; Stefanopoulos, K.L. ; Toebbens, D.M.

Structure and magnetic order in $\text{La}_{0.7}\text{Ca}_{0.3}\text{Nn}_{0.5}\text{Co}_{0.5}\text{O}_3$ and $\text{La}_{0.8}\text{Sr}_{0.2}\text{Mn}_{0.5}\text{Co}_{0.5}\text{O}_3$ perovskites

Physica B
403 (2008) 2924 - 2929

Glavatsky, I. ; Glavatska, N. ; Urubkov, I. ; Hoffman, J.-U. ; Bourdarot, F.

Crystal and magnetic structure temperature evolution in Ni-Mn-Ga magnetic shape memory martensite

Materials Science and Engineering A
481-482 (2008) 298 - 301

Glushkov, V. ; Demishev, S. ; Ignatov, M. ; Khayrullin, E. ; Sluchanko, N. ; Shitsevalova, N. ; Levchenko, A. ; Filipov, V. ; Flachbart, K. ; Siemensmeyer, K.

Phonon Drag and Magnetic Anomalies of Thermopower in RB12 (R= Ho, Er, Tm, Lu)

Acta Physica Polonica A
113 (2008) 275 - 278

Gondek, L. ; Arulraj, A. ; Baran, S. ; Nenkov, K. ; Penc, B. ; Szytula, A. ; Tomala, K.

Magnetic properties of $\text{Ho}_{3-x}\text{Y}_x\text{Cu}_4\text{Sn}_4$ ($x=0, 1, 2$)

Journal of Physics: Condensed Matter
20 (2008) 295205/1 - 6

Gondek, L. ; Szytula, A. ; Prokhnenko, O.

Complex magnetic behaviour of $\text{Ho}_3\text{Cu}_4\text{X}_4$ compounds (X = Si and Sn)

Acta Physica Polonica A
113 (4) (2008) 1179 - 1184

Gournis, D. ; Lappas, A. ; Karakassides, M.A. ; Többens, D. ; Moukarika, A.

A neutron diffraction study of alkali cation migration in montmorillonites

Physics and Chemistry of Minerals
35 (2008) 49 - 58

Habel, D. ; Goerke, O. ; Tovar, M. ; Kondratenko, E. ; Schubert, H.

Phase Relations in the System $\text{TiO}_2\text{-V}_2\text{O}_x$ under Oxidizing and Reducing Conditions

Journal of Phase Equilibria and Diffusion
29 (2008) 482 - 487

Jesche, A. ; Caroca-Canales, N. ; Rosner, H. ; Borrmann, H. ; Ormeci, A. ; Kasinathan, D. ; Klauss, H.H. ; Luetkens, H. ; Khasanov, R. ; Amato, A. ; Hoser, A. ; Kaneko, K. ; Krellner, C. ; Geibel, C.

Strong coupling between magnetic and structural order parameters in SrFe₂As₂

Physical Review B

78 (2008) 180504/1 - 4

Kaneko, K. ; Hoser, A. ; Caroca-Canales, N. ; Jesche, A. ; Krellner, C. ; Stockert, O. ; Geibel C.

Columnar magnetic structure coupled with orthorhombic distortion in the antiferromagnetic iron arsenide SrFe₂As₂

Physical Review B

78 (2008) 212502/1 - 4

Keiderling, U. ; Wiedenmann, A. ; Rupp, A. ; Klenke, J. ; Heil, W.

SANS polarizatin analysis at V4 SANS instrument of HMI Berlin

Measurement Science and Technology

19 (2008) 034009/1 - 8

Kessner, D. ; Kiselev, M. ; Dante, S. ; Hauß, T. ; Lersch, P. ; Wartewig, S. ; Neubert, R.H.H.

Arrangement of ceramide [EOS] in a stratum corneum lipid model matrix: new aspects revealed by neutron diffraction studies

European Biophysics Journal

37 (2008) 989 - 999

Kessner, D. ; Kiselev, M.A. ; Hauß, T. ; Dante, S. ; Wartewig, S. ; Neubert, R.H.H.

Localisation of partially deuterated cholesterol in quaternary SC lipid model membranes: a neutron diffraction study

European Biophysics Journal

37 (2008) 1051 - 1057

Khalyavin, D.D. ; Argyriou, D.N. ; Amann, U. ; Yaremchenko, A.A. ; Kharton, V.V.

Low-temperature behavior of YBaCo₂O_{5.5}: Coexistence of two spin-state ordered phases

Physical Review B

77 (6) (2008) 064419/1 - 6

Khalyavin, D.D. ; Prokhnenko, O. ; Stuißer, N. ; Sikolenko, V. ; Efimov, V. ; Salak, A.N. ; Yaremchenko, A.A. ; Kharton, V.V.

Crystal and magnetic structures of NdBaCo₂O₅+delta (delta similar to 0.75): A neutron diffraction study

Physical Review B

77 (2008) 174417/1 - 8

Kiselev, M.A. ; Zemlyanaya, E.V. ; Ryabova, N.Y. ; Hauss, T. ; Dante, S. ; Lombardo, D.

Water distribution function across the curved lipid bilayer: SANS study

Chemical Physics

345 (2008) 185 - 190

Kusmin, A. ; Lechner, R.E. ; Kammel, M. ; Saenger, W.

Native and methylated cyclodextrins with positive and negative solubility coefficients in water studied by SAXS and SANS

Journal of Physical Chemistry B

112 (2008) 12888 - 12898

Milani, S. ; Baldelli Bombelli, F. ; Berti, D. ; Dante, S. ; Hauß, T. ; Baglioni, P.

Nucleolipid membranes: structure and molecular recognition

Journal of Physics: Condensed Matter

20 (2008) 104212/1 - 8

Mukherji, D. ; Del Genovese, D. ; Strunz, P. ; Gilles, R. ; Wiedenmann, A. ; Rösler, J.

Microstructural characterisation of a Ni-Fe-based superalloy by in situ small-angle neutron scattering measurements

Journal of Physics: Condensed Matter
20 (2008) 104220/1 - 9

Nakajima, T.; Mitsuda, S.; Inami, T.; Terada, N.; Ohsumi, H.; Prokes, K.; Podlesnyak, A.

Identification of microscopic spin-polarization coupling in the ferroelectric phase of magnetoelectric multiferroic $\text{CuFe}_{1-x}\text{Al}_x\text{O}_2$

Physical Review B
78 (2) (2008) 024106/1 - 10

Nyam-Ochir, L. ; Ehrenberg, H. ; Buchsteiner, A. ; Senyshyn, A. ; Fuess, H. ; Sangaa, D.

The magnetic structures of double tungstates, $\text{NaM}(\text{WO}_4)_2$, $\text{M} = \text{Fe}, \text{Cr}$: Examples for superexchange couplings mediated by $[\text{NaO}_6]$ -octahedra

Journal of Magnetism and Magnetic Materials
320 (2008) 3251 - 3255

Paul-Boncour, V. ; Hoser, A. ; Hense, K. ; Gratz, E. ; Rotter, M. ; Stüßler, N.

Magnetic phase diagram of Ho-Ag

Journal of Physics: Condensed Matter
20 (2008) 104225/1 - 5

Pieper, J. ; Hauß, T. ; Buchsteiner, A. ; Renger, G.

The effect of hydration on protein flexibility in photosystem II of green plants studied by quasielastic neutron scattering

European Biophysics Journal
37 (2008) 657 - 663

Prokes, K. ; Prchal, J. ; Sechovsky, V. ; Andreev, A.V.

Magnetic structure in UlrAl

Acta Physica Polonica A
113 (2008) 339 - 342

Rajamathi, J.T. ; Arulraj, A. ; Ravishankar, N. ; Arulraj, J. ; Rajamathi, M.

Delamination of surfactant-intercalated brucite-like hydroxy salts of cobalt and copper and solvothermal decomposition of the resultant colloidal dispersions

Langmuir
24 (19) (2008) 11164 - 11168

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Crystal and magnetic structure of CeVO_3

European Physical Journal B
64 (2008) 27 - 34

Ruettinger, A. ; Kiselev, M.A. ; Hauss, T. ; Dante, S. ; Balagurov, A.M. ; Neubert, R.H.H.

Fatty acid interdigitation in stratum corneum model membranes: a neutron diffraction study

European Biophysics Journal
37 (2008) 759 - 771

Salak, A.N. ; Prokhnenko O. ; Ferreira V.M.

Temperature evolution of the crystal structures in $\text{La}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ perovskite: relation to the microwave dielectric properties

Journal of Physics: Condensed Matter
20 (8) (2008) 085210/1 - 9

Smirnov, L.S. ; Wozniak, K. ; Dominiak, P. ; Loose, A. ; Natkaniec, I. ; Frontasyeva, M.V. ; Pomyakushina, E.V. ; Baranov, A.I. ; Dolbinina, V.V.

Refinement of the crystal structure of $[\text{Rb}_x(\text{NH}_4)_{1-x}]_3\text{H}(\text{SO}_4)_2$ ($x=0.11$) by sincyle-crystal X-ray and neutron diffraction: I. phase II at 300 K

Crystallography Reports
53 (3) (2008) 418 - 427

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Magnetic properties of the compounds R_2CuIn_3 ($\text{R} = \text{Tb, Dy, Ho, Er}$)

Solid State Commun.
147 (1Feb) (2008) 61 - 64

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Magnetic structure of PrRh_2Si_2

Solid State Communications
146 (2008) 61 - 64

Szytula, A. ; Penc, B. ; Kaczorowski, D. ; Arulraj, A. ; Baran, S. ; Stüsser, N. ; Tomala, K.

Magnetic and electronic properties of RCoxGe_2 ($\text{R} = \text{Pr, Nd}$) compounds

Journal of Alloys and Compounds
460 (1Feb) (2008) 120 - 124

Süllow, S. ; Otop, A. ; Loose, A. ; Klenke, J. ; Prokhnenko, O. ; Feyerherm, R. ; Hendrikx, R.W.A. ; Mydosh, J.A. ; Amitsuka, H.

Electronic localization and two-dimensional metallic state in UPt_2Si_2

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Thin Solid Films
516 (2008) 6723 - 6728

Szabo, N. ; Sagol, B.E. ; Seidel, U. ; Schwarzburg, K. ; Hannappel, T.

InGaAsP/InGaAs tandem cells for a solar cell configuration with more than three junctions

Physica Status Solidi RRL
2 (2008) 254 - 256

Tornow, J. ; Ellmer, K. ; Szarko, J. ; Schwarzburg, K.

Voltage bias dependency of the space charge capacitance of wet chemically grown ZnO nanorods employed in a dye sensitized photovoltaic cell

Thin Solid Films
516 (2008) 7139 - 7143

SE4.Dynamics

Eichberger, E.

Forschung für Solarzellen der nächsten Generation

Science Allemagne. Das Informationsblatt der Abteilung für Wissenschaft und Technologie der französischen Botschaft in der Bundesrepublik Deutschland
Okt. (2008) 14 - 16

Szarko, J. ; Socaciu-Siebert, L. ; Neubauer, A. ; Hannappel, T. ; Eichberger, R.

Electron relaxation dynamics at the In-rich (100) surface of InP

In: Ultrafast phenomena in semiconductors and nanostructure materials XII : 20 - 23 January 2008, San Jose, California, USA, eds. Jin-Joo Song [u.a.]
SPIE, Bellingham, Wash., 2008, 68921M/1 - 10

Szarko, J.M. ; Neubauer, A. ; Bartelt, A. ; Socaciu-Siebert, L. ; Birkner, F. ; Schwarzburg, K. ; Hannappel, T. ; Eichberger, R.

The ultrafast temporal and spectral characterization of electron injection from perylene derivatives into ZnO and TiO₂ colloidal films

Journal of Physical Chemistry C
112 (2008) 10542 - 10552

SE4.Others

Chemseddine, A; Bloeck, U

How isopolyanions self-assemble and condense into a 2D tungsten oxide crystal: HRTEM imaging of atomic arrangement in an intermediate new hexagonal phase

Journal of Solid State Chemistry
181 (2008) 2731 - 2736

Ershov, B.G. ; Janata, E. ; Alam, M.S. ; Gordeev, A.V.

A pulse radiolysis study of the reactions of the hydrated electron and hydroxyl radical with the oxalate ion in neutral aqueous solution

High Energy Chemistry
42 (2008) 1 - 6

Janata, E; Budnick, J; Wittmaack, HJ; Porsinger, J

Instrumentation of kinetic spectroscopy-22 Circuitry for driving the injector of an electron accelerator

Radiation Physics and Chemistry
77 (2008) 757 - 760

Pazos-Perez, N; Baranov, D; Irsen, S; Hilgendorff, M; Liz-Marzan, LA; Giersig, M

Synthesis of flexible, ultrathin gold nanowires in organic media

LANGMUIR
24 (2008) 9855 - 9860

SE5 - Solar Energy

ISL.User

Neitzert, H.-C. ; Ferrara, M. ; Kunst, M. ; Denker, A. ; Kertész, Z. ; Limata, B. ; Gialanella, L. ; Romano, M.

Electroluminescence efficiency degradation of crystalline silicon solar cells after irradiation with protons in the energy range between 0.8 MeV and 65 MeV

Physica Status Solidi B
245 (2008) 1877 - 1883

SE1.Cells

Ellmer, K. ; Klein, A. ; Rech, B. [Eds.]

Transparent Conductive Zinc Oxide : Basics and Applications in Thin Film Solar Cells

(Springer Series in Materials Science ; 104)
Springer, Berlin, 2008

SE2.Concepts

Belaidi, A. ; Dittrich, Th. ; Kieven, D. ; Tornow, J. ; Schwarzburg, K. ; Lux-Steiner, M.

Influence of the local absorber layer thickness on the performance of ZnO nanorod solar cells

Physica Status Solidi (RRL)
2 (2008) 172 - 174

Mwabara, J.M. ; Ellmer, K. ; Belaidi, A. ; Rappich, J. ; Bohne, W. ; Röhrich, J. ; Dittrich, Th.

Reactively sputtered TiO₂ layers on SnO₂:F substrates: A Raman and surface photovoltage study

Thin Solid Films

516 (2008) 3841 - 3846

SE5.Energetics

Barkschat, A. ; Moehl, T. ; Macht, B. ; Tributsch, H.

The function of TiO₂ with respect to sensitizer stability in nano-crystalline dye solar cells

International Journal of Photoenergy

(2008) 814951/1 - 13

Brunken, S. ; Mientus, R. ; Seeger, S. ; Ellmer, K.

The mechanism of nickel sulfide induced rapid crystallization of highly textured tungsten disulfide (WS₂) thin films: An in situ real-time diffraction study

Journal of Applied Physics

103 (2008) 063501/1 - 6

Casteleiro, C; Schwarz, R; Mardolcar, U; Macarico, A; Martins, J; Vieira, M; Wuensch, F; Kunst, M; Morgado, E; Stallinga, P; Gomes, HL

Spatially-resolved photocapacitance measurements to study defects in a-Si : H based p-i-n particle detectors

Thin Solid Films

516 (2008) 5118 - 5121

Ellmer, K.

Preparation routes based on magnetron sputtering for tungsten disulfide (WS₂) films for thin-film solar cells

Physica Status Solidi B

245 (2008) 1745 - 1760

Ellmer, K.

Magnetron discharges for thin film deposition

In: Low Temperature Plasmas : Fundamentals, Technologies and Techniques. Vol. 2, eds. Hippler, R. [u.a.]

Wiley-VCH, Weinheim, 2008, 675 - 714

Ellmer, K. ; Mientus, R.

Carrier transport in polycrystalline ITO and ZnO:Al II: The Influence of grain barriers and boundaries

Thin Solid Films

516 (2008) 5829 - 5835

Ellmer, K. ; Mientus, R.

Carrier transport in polycrystalline transparent conductive oxides: A comparative study of zinc oxide and indium oxide

Thin Solid Films

516 (2008) 4620 - 4627

Fiechter, S. ; Tomm, Y. ; Kanis, M. ; Scheer, R. ; Kautek, W.

On the homogeneity region, growth modes and optoelectronic properties of chalcopyrite-type CuInS₂

Physica Status Solidi B

245 (2008) 1761 - 1771

Herrmann, I.

Innovative Elektrokatalyse: Platinfreie Kathodenkatalysatoren für Brennstoffzellen

VDM Verl. Müller, Saarbrücken, 2008

Herrmann, I. ; Koslowski, U.I. ; Radnik, J. ; Fiechter, S. ; Bogdanoff, P.

Preparation and structural analysis of heat treated Co-and Fe-porphyrines as cathode catalysts for the oxygen reduction reaction

ECS Transactions
13 (17) (2008) 143 - 160

Klein, D. ; Wuensch, F. ; Kunst, M.

The determination of charge-carrier lifetime in silicon

Physica Status Solidi B
245 (2008) 1865 - 1876

Koslowski, U.I. ; Abs-Wurmbach, I. ; Fiechter, S. ; Bogdanoff, P.

Nature of the catalytic centers of porphyrin-based electrocatalysts for the ORR: A correlation of kinetic current density with the site density of Fe-N₄ centers

Journal of Physical Chemistry C
112 (2008) 15356 - 15366

Koslowski, U.I. ; Herrmann, I. ; Bogdanoff, P. ; Barkschat, C. ; Fiechter, S. ; Iwata, N. ; Takahashi, H. ; Nishikori, H.

Evaluation and analysis of PEM-FC performance using non-platinum cathode catalysts based on pyrolysed Fe- and Co-porphyrins - influence of a secondary heat-treatment

ECS Transactions
13 (17) (2008) 125 - 141

Leem, H.-J. ; Dorbandt, I. ; Rojas-Chapana, J. ; Fiechter, S. ; Tributsch, H.

Bio-analogue Amino Acid-Based Proton-Conduction Wires for Fuel Cell Membranes

Journal of Physical Chemistry C
112 (2008) 2756 - 2763

Lewerenz, H.-J.

Metal electrodeposition onto (photo)electrochemically prepared nanostructured silicon surfaces: solar applications

Transactions of the Institute of Metal Finishing
86 (2008) 19 - 33

Matsumoto, Y. ; Ortega, M. ; Wunsch, F. ; Yu, Z.

Cat-CVD deposited inverted $\mu\text{c-Si:H/c-Si}$ heterojunction solar cell approach

In: 5th International Conference on Electrical Engineering, Computing Science and Automatic Control (CCE 2008)
IEEE, , 2008, 455 - 459

Neumann, B. ; Bierau, F. ; Johnson, B. ; Kaufmann, C.A. ; Ellmer, K. ; Tributsch, H.

Niobium-doped TiO₂ films as window layer for chalcopyrite solar cells

Physica Status Solidi B
245 (2008) 1849 - 1857

Szabo, N. ; Totzke, C. ; Tributsch, H.

Total internal reflectance-infrared structural studies on tensile water formation during evaporation from nanopores

Journal of Physical Chemistry C
112 (2008) 6313 - 6318

Tomm, Y. ; Schorr, S. ; Fiechter, S.

Crystal growth of argyrodite-type phases $\text{Cu}_{8-x}\text{GeS}_{6-x}\text{I}_x$ and $\text{Cu}_{8-x}\text{GeSe}_{6-x}\text{I}_x$ ($0 \leq x \leq 0.8$)

Journal of Crystal Growth
310 (2008) 2215 - 2221

Tribusch, H. ; Fiechter, S.

The maternal strategy of fire-resistant tree barks

In: High performance structures and materials IV : proceedings of the Fourth International Conference on ..., eds. De Wilde, W. P. [u.a.]

WIT Press, Southampton, 2008, 43 - 52

Tributsch, H.

Photovoltaic hydrogen generation

International Journal of Hydrogen Energy

33 (2008) 5911 - 5930

Tributsch, H.

Kraftwerk Natur: Energiestrategien für die zukünftige Industrie-Zivilisation

In: Bionik : Vorbild Natur in Leben und Technik, eds. Wienecke-Janz, D. [u.a.]

Wissen Media Verl. GmbH, Gütersloh, 2008, 182 - 189

Tributsch, H. ; Koslowski, U.I. ; Dorbandt, I.

Experimental and theoretical modeling of Fe-, Co-, Cu-, Mn-based electrocatalysts for oxygen reduction

Electrochimica Acta

53 (2008) 2198 - 2209

SE5.Interfaces

Grzanna, J. ; Notz, T. ; Lewerenz, H.J.

Model for current oscillations at the Si/electrolyte contact: Extension to spatial resolution

ECS Transactions

16 (3) (2008) 173 - 180

Lewerenz, H.J.

Enzyme-semiconductor Interactions: Routes from fundamental aspects to photoactive devices

Physica Status Solidi B

245 (2008) 1884 - 1898

Lewerenz, H.J. ; Aggour, M. ; Stempel, T. ; Lublow, M. ; Grzanna, J. ; Skorupska, K.

Photoactive nanostructure device by electrochemical processing of silicon

Journal of Electroanalytical Chemistry

619-620 (2008) 137 - 142

Lublow, M. ; Lewerenz, H.J.

Nanotopography development on silicon electrodes by analysis of Brewster angle real-time spectroscopy

ECS Transactions

6 (19) (2008) 1 - 10

Lublow, M. ; Lewerenz, H.J.

Real-time monitoring of SiO₂/Si(111) interlayer etching by Brewster-angle reflectometry

Surface Science

602 (2008) 1677 - 1687

Lublow, M. ; Stempel, T. ; Skorupska, K. ; Muñoz, A.G. ; Kanis, M. ; Lewerenz, H.J.

Morphological and chemical optimization of ex-situ NH₄F (40%) conditioned Si(111)-(1x1):H

Applied Physics Letters

93 (2008) 062112/1 - 3

Munoz, A. ; Lewerenz, H.J.

Platinum Deposition onto Si Single Crystal Surfaces I. Chemical, Electronic, and Morphological Surface Processes under Depletion Conditions

Journal of The Electrochemical Society

155 (2008) D527 - D533

Munoz, AG; Schiefer, C; Kisker, E

Anisotropic permeability in ultrasoft electroplated NiFeMo/Cu microwires: The Procopiu effect

Journal of Applied Physics

103 (2008) 073904

Stempel, T. ; Aggour, M. ; Skorupska, K. ; Munoz, A. ; Lewerenz, H.-J.

Efficient photoelectrochemical nanoemitter solar cell

Electrochemistry Communications

10 (2008) 1184 - 1186

SF3.BESSY

Haas, S. ; Hoell, A. ; Zehl, G. ; Dorbandt, I. ; Bogdanoff, P. ; Fiechter, S.

Structural investigation of carbon supported Ru-Se based catalysts using anomalous small angle X-ray scattering

ECS Transactions

6 (2008) 127 - 138

SE6 - Electronic Structure of Semiconductor Interfaces

SE2.Analytix

Sadewasser, S. ; Bremsteller, W. ; Plake, T. ; Kaufmann, C.A. ; Pettenkofer, Ch.

Microscopic investigation of the CdS buffer layer growth on Cu(In,Ga)Se₂ absorbers

Journal of Vacuum Science and Technology B

26 (2008) 901 - 903

SE6.BESSY

Andres, S. ; Pettenkofer, C. ; Speck, F. ; Seyller, T.

Morphology and electronic properties of metal organic molecular beam epitaxy grown ZnO on hydrogen passivated 6H-SiC(0001)

Journal of Applied Physics

103 (2008) 103720/1 - 6

SE6.Interfaces

Mroczynski, R; Kwietniewski, N; Cwil, M; Hoffmann, P; Beck, RB; Jakubowski, A

Improvement of electro-physical properties of ultra-thin PECVD silicon oxynitride layers by high-temperature annealing

VACUUM

82 (2008) 1013 - 1019

Conference Contributions

SF - Structural Research

SF - BENSC

BENSC.User

Poster

Bordallo, H. N.; Boldyreva, E. V.; Buchsteiner, A.; Koza, M. M.; Landsgesell, S.

Structure-Property Relationships in the Crystals of the Smallest Amino Acid: An Incoherent Inelastic Neutron Scattering Study of the Glycine Polymorphs

50 Years of Neutron Science in Berlin
Berlin, Germany 14. Jul - 15. Jul 2008

Invited Talk

Dalle-Ferrier C.; Eibl S.; Pappas C.; Alba-Simionesco Chr.

Temperature dependence of three point correlation functions of viscous liquids: case of glycerol

7th Liquid Matter Conference
Lund, Schweden 27. Jun - 01. Jul 2008

Oral

Grzanna, J.; Lewerenz, H. J.

Model for Current Oscillations at the Si/Electrolyte Contact: Extension to Spatial Resolution

Prime Pacific Rim Meeting on Electrochemical and Solid-State Science
Honolulu 12. Oct - 17. Oct 2008

Poster

Heloisa Bordallo, Elena Boldyreva, Alexandra Buchsteiner, Michael Marek Koza, Sven Landsgesell

Structure-Property Relationships in the Crystals of the Smallest Amino Acid: An Inelastic Neutron Scattering Study of the Glycine Polymorphs as a Function of Temperature and Pressure

Deutsche Neutronenstreutagung 2008
Garching, Germany 15. Sep - 17. Sep 2008

Invited Talk

Heloisa N. Bordallo, E. V. Boldyreva, B. Kolesov, S. Landsgesell, A. Buchsteiner, F. Juranyi, M. M. Koza, T. Straessle

Temperature and pressure effects on the reorientational dynamics of amino acids, a neutron study

XXI Congress and General Assembly of the
Osaka, Japan 23. Aug - 31. Aug 2008

Invited Talk

Steiner, M.

Perspectives of extreme sample environment in neutron scattering and consequences for instrumentation

International Symposium on Neutron Scattering (ISNS2008)
Mumbai, India 15. Jan - 18. Jan 2008

SF1.BENSC

Oral

Boin, M.; Kardjilov, N.; Schneider, R.; Edwards, L.

Strain and Texture Analysis using Bragg Edge transmission

NEUWAVE (workshop on NEUtron WAVElength dependent IMAGING)
Garching/München, Deutschland 21. Apr - 24. Apr 2008

Poster

Chmielus, M.; Carpenter, D.; Geleynse, A.; Hagler, M.; Schneider, R.; Müllner, P.

Numerical simulation of twin-twin interaction in magnetic shape-memory alloys

Materials Research Society, Spring 2008 Meeting, Symposium Z
San Francisco 24. Mar - 28. Mar 2008

Invited Talk

Davies, C and Wimpory, R.

Influence of Crack Growth and Specimen Sectioning on Residual Stresses

VAMAS TWA31 Annual Meeting

Imperial College London 19. May - 19. May 2008

Invited Talk

Fery A.; Dönch, I.; Möhwald, H.; Laschewsky, A.; Ott, P.; Köhler, R.; Krastev, R.

Micromechanics of polyelectrolyte multilayer

Kolloquium

Dresden 22. Apr - 23. Apr 2008

Poster

Kamel, S., Wimpory, R.C., O'Dowd, N., Nikbin K.

Constraint effects on fracture under compressive and tensile residual stresses in fracture mechanics specimens

Deutsche Neutronenstreutagung 2008

TUM, Garching 15. Sep - 17. Sep 2008

Poster

Kiefer, K.; Klemke, B.

In-situ Sample Orientation for Neutron Scattering at Dilution Temperatures

Deutsche Neutronenstreutagung 2008

München 14. Sep - 17. Sep 2008

Poster

Kreuzer, M.; Kaltofen, T.; Steitz, R.; Dahint, R.;

Lubrication in model joints - a study on shear dependence

Deutsche Neutronenstreutagung 2008

TU München 14. Sep - 17. Sep 2008

Invited Talk

Rolfs, K.

Co-Doping: Tuning Ni-Mn-Ga for Actuator Application?

Seminar-Vortrag TU München

Munich, Germany 21. Oct - 21. Oct 2008

Oral

Rolfs, K.; Mecklenburg, A.; Guldbakke, J.-M.; Chmielus, M.; Alliouane, N.; Brown, J.P.; Schneider, R.

Co-doping: Tuning Ni-Mn-Ga for Actuator Application?

CIMTEC 2008

Acireale, Italy 08. Jun - 13. Jun 2008

Oral

Rolfs, K.; Mecklenburg, A.; Guldbakke, J.-M.; Ratz, A.; Schneider, R.P.

Co-doped Ni-Mn-Ga - A new smart material for industry

IUCr2008

Osaka, Japan 23. Aug - 30. Aug 2008

Invited Talk

Rule, K.

How Frustrating: A look at recent neutron scattering data in the frustrated pyrochlores TbTiO and TbSnO

Invited talk at LLB, Saclay, France

LLB, Saclay, France 05. Jun - 06. Jun 2009

Invited Talk

Rule, K.

What high magnetic fields and low temperatures have revealed to me?

ANSTO, Sydney, Australia 18. Jun - 18. Jun 2008

Invited Talk

Rule, K.

How Frustrating! A look at recent neutron scattering results from the frustrated pyrochlores Tb₂Ti₂O₇ and Tb₂Sn₂O₇

University of New South Wales, Sydney Au 17. Jun - 17. Jun 2008

Invited Talk

Schneider, R.

“Neutrons and Photons in Service for Industry: 3D Structure Visualization and Characterization - Strategy to Establish the Reference for NDE and FE-Simulations -“

Second US-China Workshop on Scientific and Industrial Applications Using Neutrons, Muons and Protons
Dongguan, Guandong Province, China 07. Nov - 10. Nov 2008

Oral

Schneider, R.; Chmielus, M.; Rolfs, K.; Mecklenburg, A.; Guldbakke, J.-M.; Raatz, A.;

Neutrons - A Unique and Essential Tool on the Way to the Commercial Use of Novel Smart Materials
R. Schneider (Sp), M. Chmielus, K. Rolfs, Hahn-Meitner-Institute Berlin (Germany); A. Mecklenburg, J.-M. Guldbakke, Braunschweig University of Technology (Germany)

MSE Nürnberg 2008

Nürnberg 01. Sep - 04. Sep 2008

Invited Talk

Schneider, R.; Wimpory, R.; Hofmann, M.; Ohms, C.

STRINET: Standardization of Interfaces to Promote International Co-Operation in Neutron Diffraction

IAEA Expert Meeting

Wien, Österreich 10. Dec - 12. Dec 2008

Oral

Strobl, M.

Linking neutron imaging and scattering: An overview of recent developments in neutron imaging

Seminar

TU Delft, Holland 05. Mar - 05. Mar 2008

Oral

Strobl, M., Hilger, A., Kardjilov, N., Manke, I.

Monochromatic neutrons and phase contrast from matter and magnetic fields

neuwave meeting

TUM 21. Apr - 24. Apr 2008

Oral

Strobl, M., Hilger, A., Kardjilov, N., Manke, I.

Nuclear and magnetic phase contrast imaging with neutrons

ITMNR

Kobe, Japan 15. Sep - 19. Sep 2008

Oral

Strobl, M., Kardjilov, N., Hilger, A. Manke, I. Treimer, W., Jericha, E., Badurek, G.

Imaging with polarised neutrons

PNCMI 2008

Tokai, Japan 01. Sep - 05. Sep 2008

Oral

Strobl, M., Steitz, R., Dahint, R., Grunze, M.

BioRef - a time-of-flight reflectometer at Hahn-Meitner Institute Berlin

IUCr 2008

Osaka, Japan 24. Aug - 30. Aug 2008

Poster

Teichert, A.; Steitz, R.; Fleischmann, C.; Temst, K.;

PNR reflectometry on Fe/CoO films

Deutsche Neutronenstreutagung 2008

TU München 14. Sep - 17. Sep 2008

Invited Talk

Wimporoy, R.C and Hofmann. M.

Net Task group 1, 2 and 4

13th NeT Steering Committee Meeting at INSA-Lyon

INSA, Lyon, France 09. Jun - 11. Jun 2008

Poster

Wimporoy, R.C, Poeste, T., Boin, M., Flemming, S. and Schneider, R.

E3: Versatile Strain Scanning and Stress Determination

50 Years of Neutron Science in Berlin

Berlin 14. Jul - 15. Jul 2008

Oral

Wimporoy, R.C.

TG4 Stress Relieved Specimen measurements

14th NeT Steering Committee Meeting and 5th NeT Enlargement & Integration Workshop, Petten,

JRC, Petten, The Netherlands 01. Dec - 03. Dec 2008

Oral

Wimporoy, R.C.

Using neutrons for non destructive testing at the surface

14th NeT Steering Committee Meeting and 5th NeT Enlargement & Integration Workshop, Petten

JRC, Petten, The Netherlands 01. Dec - 03. Dec 2008

Poster

Wimporoy, R.C., Poeste, T., Boin, M., Flemming, S., Denks I., , Genzel, C. and Schneider R.

Bridging the gap between synchrotrons and neutrons in non destructive testing at the surface

Deutsche Neutronenstreutagung 2008

TUM Garching 15. Sep - 17. Sep 2008

SF2.BENSC

Oral

Buchsteiner, A.; Stüßer, N.

Optimizations in neutron powder diffraction by using divergent beam geometries in angular dispersive techniques

11th European Powder Diffraction Conference

Warschau 19. Sep - 22. Sep 2008

Invited Talk

Hauß, T.

The application of neutron scattering techniques in membrane biophysics

2nd European Conference on Metallobiomics

Berlin / Germany 03. Dec - 04. Dec 2008

Invited Talk

Hauß, T.; Pieper, J.; Buchsteiner, A.; Lechner, R.E.; Dencher, N.A.

Observation of transient modulations in protein dynamics during the photocycle of bacteriorhodopsin

Biological Physics at Large Facilities

Grenoble / France 19. Oct - 23. Oct 2008

Oral

Hauß, T.; Pieper, J.; Buchsteiner, A.; Lechner, R.E.; Dencher, N.A.

Real-time monitoring of modulations in the protein dynamics during the photocycle of bacteriorhodopsin by quasielastic neutron scattering

13th International Conference on Retinal Proteins

Barcelona / Spain 15. Jun - 20. Jun 2008

Oral

Keiderling, U, Wiedenmann, A, Rupp, A, Klenke, J, Heil, W, Jullien, D, Petoukhov, A K, Lelievre-Berna, E, Andersen, K H

Magic Box and Fast Decaying Cell - Two Methods of SANS Polarization Analysis with ^3He at the V4 SANS Instrument of Helmholtz Center Berlin

Polarised Neutrons In Condensed Matter Investigations PNCMI 2008

Tokai, Japan 01. Sep - 05. Sep 2008

Poster

Keiderling, U, Wiedenmann, A, Rupp, A, Klenke, J, Heil, W, Jullien, D, Petoukhov, A K, Lelievre-Berna, E, Andersen, K H

Magic box and fast decaying cell - two methods of SANS polarization analysis with ^3He at the V4 SANS instrument of Helmholtz Center Berlin

Deutsche Neutronenstreutagung

München 15. Sep - 17. Sep 2008

Oral

Morris, D.J.P.; Roger, M.; Goff, J.; Tennant, D.A.; Gutmann, M.J.; Prabhakaran, D.; Hoffmann, J.-U.; Feyerherm, R.; Dudzik, E.;

Sodium ordering and the control of electrons in Sodium Cobaltate

British Crystallography Association annual conference

York University, York, U.K. 08. Apr - 10. Apr 2008

Oral

Morris, D.J.P.; Roger, M.; Tennant, D.A.; Gutmann, M.J.; Goff, J.P.; Prabhakaran, D.; Hoffmann, J.-U.; Feyerherm, R.; Dudzik, E.; Kiefer, K.

Sodium Ordering Phase Transition in Sodium Cobaltate

APS March Meeting

New Orleans, USA 10. Mar - 14. Mar 2008

Oral

Rupp, A.

^3He -NSF project at HMI

Final NMI3 General Meeting

Ajaccio, France 25. Jun - 28. Jun 2008

Poster

Soltwisch, V.; Schierle, E.; Weschke, E.; Geck, J.; Hawthorn, D.; Wadati, H.; Wu, H.-H.; Dürr, H.A.; Wizen, N.; Büchner, B.; Ribeiro, P.; Sawatzky, G.A.; Fink, J.

Doping dependence of charge order in $\text{La}_{1.8-x}\text{Eu}_x\text{CuO}_4$ studied by resonant soft X-Ray diffraction

Bessy User Meeting

Berlin 04. Dec - 05. Dec 2008

Oral

Uestuener, K.; Katter, M.; Blank, R.; Benedikt, D.; Bahrtdt, J.; Gaupp, A.; Klemke, B.; Grüner, F.; Weingartner, R.

Sintered (Pr,Nd)-Fe-B Permanent Magnets with $(\text{BH})_{\text{max}}$ of 520 kJ/m^3 at 85 K for Cryogenic Applications

20th international Workshop on Rare Earth Permanent Magnets and their Applications

Crete, Greece 08. Sep - 10. Sep 2008

Oral

Yokaichiya, F.; Nunes Bordallo, H.; Argyriou, D.N.; Krimmel, A.; Loild, A. ; Tsurkan, V.

Incommensurate Magnetic Structure of ZnCr₂Se₄ and ZnCr₂S₄

2008 APS March Meeting

New Orleans, Louisiana, USA 10. Mar - 14. Mar 2008

SF3.BENSC

Oral

Hilger, A.; Kardjilov, N.; Manke, I.; Strobl, M.; Banhart, J.

Investigation of magnetic fields at the neutron radiography station CONRAD at HMI

Workshop on NEUtron WAVElength dependend IMAGING (NEUWAVE IMAGING)

München, Germany 20. Apr - 24. Apr 2008

Poster

Jericha, E.; Badurek, G.; Hilger, A.; Kardjilov, N.; Manke, I.; Strobl, M.

First experimental test of tensorial neutron tomography

Deutsche Neutronenstreutagung

Garching, Germany 15. Sep - 17. Sep 2008

Oral

Kardjilov, N.; Hilger, A.; Manke, I.; Strobl, M., Dawson, M.; Banhart, J.

New trends in neutron imaging

The Sixth International Topical Meeting on Neutron Radiography

Kobe, Japan 14. Sep - 18. Sep 2008

Oral

Klaus, M., Genzel, Ch.; Holzschuh, H.

Residual Stress Depth Profiling in Complex Hard Coating Systems by X-ray Diffraction

International Conference on Metallurgical Coatings and Thin Films

San Diego, USA 28. Apr - 02. May 2008

Oral

Matsushima, U.; Graf, W.; Zabler, S.; Kardjilov, N.; Herppich, W.B.

Application of cold neutron and synchrotron X-ray imaging to investigate rose bent neck syndrome

International symposium on postharvest quality of ornamental plants

Aarhus, Denmark 11. Aug - 14. Aug 2008

Oral

Matsushima, U.; Herppich, W.B.; Kardjilov, N.; Graf, W.; Hilger, A.; Manke, I.

Estimation of water flow velocity in small plants using cold neutron imaging with D₂O tracer

International Topical Meeting on Neutron Radiography (ITMNR)

Kobe, Japan 14. Sep - 18. Sep 2008

Oral

Matsushima, U.; Kardjilov, N.; Graf, W.; Hilger, A.; Herppich, W.B.

Water distribution analysis in plants using cold neutron radiography - Calculation of D₂O tracer vectors -

17th Annual Meeting of Bioimaging Society

Chiba University, Japan 30. Oct - 01. Nov 2008

Oral

Matsushima, U.; Kardjilov, N.; Hilger, A.; Herppich, W.B.

In-situ visualization of water flow in seedling using neutron radiography

Symposium on Horticulture in Europe (SHE2008)

Vienna, Austria 17. Feb - 20. Feb 2008

Oral

Matsushima, U.; Kardjilov, N.; Hilger, A.; Herppich, W.B.

In-situ Visualization of Water Flow in Seedlings-Application of Cold Neutron Radiography with D2O Tracer and the Influences for Plants

International Conference on Agricultural Engineering & Industry Exhibition
Hersonissos, Greece 23. Jun - 25. Jun 2008

Oral

Matsushima, U.; Kardjilov, N.; Hilger, A.; Manke, I.; Shono, H.; Herppich, W.B.

Visualization of water usage and photosynthetic activity of street trees exposed to 2ppm of SO₂ - a combined evaluation by cold neutron and chlorophyll fluorescence imaging

International Topical Meeting on Neutron Radiography (ITMNR)
Kobe, Japan 14. Sep - 18. Sep 2008

Oral

Matsushima, U.; Kardjilov, N.; Hilger, A.; Shono, H.; Herppich, W.B.

An Application of cold Neutron and Chlorophyll Fluorescence Imaging for Studies an Auto-Exhaust Resistance in Street Trees

International Conference on Agricultural Engineering & Industry Exhibition
Hersonissos, Greece 23. Jun - 25. Jun 2008

Oral

Schröder, A.; Wippermann, K.; Mergel, J.; Lehnert, W.; Sanders, T.; Manke, I.; Hilger, A.; Kardjilov, N.; Petrov, S.; Hartnig, C.

Investigation of the current and fluid distribution in a direct methanol fuel cell by electrochemical methods and neutron radiography

Ulm ElectroChemical Talks
Ulm, 10. Jun - 12. Jun 2008

PT

Oral

Denker, A.; Rethfeldt, C.; Röhrich, J.; Weber, A.

Eye tumour therapy in Berlin: The conversion of a multi-purpose accelerator laboratory into a dedicated proton therapy facility

European Cyclotron Progress Meeting
Berlin 15. Oct - 18. Oct 2008

Poster

Denker, A.; Cordini, D.; Foerster, M.; Moser, L.; Rethfeldt, C.; Röhrich, J.; Stark, R.; Weber, A.

Eye tumour therapy in Berlin: Converting a multi-purpose accelerator laboratory into a dedicated proton therapy facility

Particle Therapy Co-Operative Group PTCOG47
Jacksonville, Florida 21. May - 25. May 2008

ISL.User

Poster

De, U.; Mändle, St.; Röhrich, J.; Bohne, W.; Rauschenbach, B.

TOF-SIMS and TOF-ERDA Characterization of Cadmium and Magnesium Oxides

IBMM2008

Dresden 31. Aug - 05. Sep 2008

SF - BESSY**SF2.BESSY**

Oral

*Darowski, N.***Reorientation transition in Fe/Pt multilayers studied by means of depth-selective x-ray magnetic dichroism**72ste Frühjahrstagung der Deutschen Physikalischen Gesellschaft
Berlin 25. Feb - 29. Feb 2008

Invited Talk

*Feyerherm, R.***Interplay between rare earth and manganese magnetism and its effect on ferroelectricity in or-RMnO_3** Deutsche Neutronenstreuungstagung 2008
Garching 15. Sep - 17. Sep 2008**SF3.BESSY**

Poster

*Haug, J.; Kruth, H.; Dubiel, M.; Hofmeister, H.; Haas, S.; Tatchev, D.; Hoell, A.***ASAXS study on the formation of core-shell Ag/Au nanoparticles in glasses produced by ion implantation**BESSY User Meeting
Berlin, Germany 04. Dec - 05. Dec 2008

Invited Talk

*Hoell, A.; Haas, S.; Heinemann, A.; Tatchev, D.; Kranold, R.; Goerigk, G.; Müller, M.; Banhart, J.***Anomalous Small Angle X-ray Scattering and its Application to photochromic Glasses**Fourth Balkan Conference on Glass Science and Technology
Varna, Bulgarien 27. Sep - 01. Oct 2008

Oral

*Kasyutich, O.; Tatchev, D.; Hoell, A.; Ogrin, F.; Dewhurst, C.; Schwarzacher, W.***Small angle X-ray and neutron scattering study of disordered and 3D-ordered magnetic protein arrays**53rd MMM Meeting
Austin, Texas, USA 10. Nov - 14. Nov 2008

Invited Talk

*Kasyutich, O.I.; Sarua, A.; Figueiredo, W.; Tatchev, D.; Hoell, A.; Haas, S.; Schwarzacher***3-dimensional nano-particle arrays produced by protein crystallisation**Nanoscale Phenomena and Structures in Bulk and Surface Phases
Sofia, Bulgaria 26. Feb - 02. Mar 2008

Oral

*Klaus, M.; Reimers, W.; Genzel, Ch.***Application of Energy-Dispersive Diffraction to the Analysis of Highly Inhomogeneous Residual Stress Fields in Thin Film Structures**8th International Conference on Residual Stresses
Denver, USA 04. Aug - 08. Aug 2008

Oral

*Tatchev, D.; Hoell, A.; Eichelbaum, M.; Rademann, K.***In situ SAXS-Study of the formation of gold nano-particles in soda-lime-silicate glasses**Fourth Balkan Conference on Glass Science and Technology
Varna, Bulgarien 27. Sep - 01. Oct 2008

SF1 - Methods and Instruments**SF1.Dynamics**

Invited Talk

*Pappas, C., Cywinski, R.; Pickup, R.; Farago, B.; Fouquet, P.; Falus, P.***Generalized approach to non-exponential relaxation**

International Symposium on Neutron Scattering

Atomic Research Centre, Mumbai, India 15. Jan - 18. Jan 2008

SF1.Methods

Invited Talk

*Jauch, W., Reehuis, M.***Charge density in ferromagnetic iron and nickel from gamma-ray diffraction**

5th European Charge Density Meeting

Gravedona (Italy) 06. Jun - 11. Jun 2008

Poster

*Krist Th.; Pappas C.; Teichert A.; Fehr C.; Clemens D.; Steichele E.; Mezei F.***New Polarizing Guide for Neutron Wavelengths above 2.5 Å**

Polarized Neutrons in Condensed Matter Investigations

Tokai, Japan 01. Sep - 05. Sep 2008

Invited Talk

*Pappas, C.***Neutron Properties and Sources**

5th LANCE Neutron School 2008

Los Alamos, New Mexico, USA 23. Jul - 01. Aug 2008

Invited Talk

*Pappas, C.***Neutron Instrumentation**

5th Los Alamos Neutron School 2008

Los Alamos, New Mexico, USA 23. Jul - 01. Aug 2008

Oral

*Pappas, C. ; Lelievre-Berna, E. ; Bentley, P. ; Moskvina, E. ; Farago B.; Falus P.; ;Grigoriev, S. ; Dyadkin, V***Polarimetric Neutron Spin Echo Spectroscopy**

21st Congress of the International Union of Crystallography

Osaka, Japan 23. Aug - 31. Aug 2008

Oral

*Pappas, C., Lelievre-Berna, E., Bentley, P.M., Moskvina, E., Grigoriev, S., Dyadkin, V.***Polarimetric Neutron Spin Echo Spectroscopy**

Deutsche Neutronenstreutagung 2008

Garching, Deutschland 15. Sep - 17. Sep 2008

Invited Talk

*Pappas, C.; Lelièvre-Berna E.; Bentley P.; Moskvina E.; Farago B.; Falus P.; Krist Th.; Grigoriev S.; Dyadkin V.***Challenges in Neutron Spin Echo Spectroscopy**

Polarized Neutrons in Condensed Matter Investigations

Tokai, Japan 01. Sep - 05. Sep 2008

Oral

*Pappas, C.; Lelièvre-Berna, E.; Bentley, P.; Moskvina, E.; Farago, B.; Falus, P.; Grigoriev, S.; Dyadkin, V.***Polarimetric Neutron Spin Echo : Feasibility and first Results**

American Conference on Neutron Scattering

Santa Fe, New Mexico, USA 11. May - 15. May 2008

Oral

Pappas, C.; Lelièvre-Berna, E.; Bentley, P.; Moskvina, E.; Farago, B.; Falus, P.; Grigoriev, S.; Dyadkin, V.

Polarimetric Neutron Spin Echo : Feasibility and first Results

NMI3 General Meeting

Ajaccio, Corsica, France 25. Jun - 27. Jun 2008

Invited Talk

Steitz, R.

Reflectivity & GISAS

Workshop zum Thema Streumethoden, SPP 1273 Kolloidverfahrenstechnik

Universität Bayreuth, 29.09.2008

SF1.Others

Poster

Chmielus, M.; Chernenko, V.A.; Hilger, A.; Kostorz, G.; Müllner, P.; Schneider, R.

**MAGNETO‐MECHANICAL PROPERTIES AND FRACTURE OF A MECHANICALLY
CONSTRAINED NI‐MN‐GA SINGLE CRYSTAL AFTER EXTENDED MAGNETIC CYCLING**

ICOMAT 2008

Santa Fe, NM, USA 29. Jun - 05. Jul 2008

Oral

Köhler, R.; Dänch, I.; Ott, P.; Laschevsky, A.; Krastev, R.

Swelling of ultra thin polyelectrolyte multilayers of different charge density in water vapour

DPG Frühjahrskonferenz 2008

Berlin 25. Feb - 29. Feb 2008

Oral

Papaefthimiou, V.; Günther, J.-U.; Helm, C. A.; Förster, S.; Findenegg, G. H., and Steitz, R.;

Reversible activation of a polyelectrolyte brush

72st Annual Meeting and DPG-Spring Meeting of the Division Condensed Matter

Berlin 25. Feb - 29. Feb 2008

Poster

Steitz, R.; Papaefthimiou, V.; Günther, J.-U.; Helm, C. A.; Findenegg, G. H.;

Reversible activation of a polyelectrolyte brush: Responsive monolayers

Deutsche Neutronenstreutagung 2008

TU München 14. Sep - 17. Sep 2008

Oral

Steitz, R.; Papaefthimiou, V.; Günther, J.-U.; Helm, C. A.; Förster, S.; Findenegg, G. H.;

Reversible activation of a polyelectrolyte brush

AVS 55th International Symposium

Boston, MA, USA 19. Oct - 24. Oct 2008

Poster

Teichert, A.; Krist, T.; Steitz, R.;

Diffuse scattering from polarizing supermirrors

Deutsche Neutronenstreutagung 2008

TU München 14. Sep - 17. Sep 2008

SF3.Tomo

Oral

Manke, I.; Kardjilov, N.; Hilger, A.; Strobl, M.; Banhart, J.

Applications of neutron imaging in science and technology

Workshop on NEUtron WAVElength dependend IMAGING (NEUWAVE IMAGING)

München, Germany 20. Apr - 24. Apr 2008

SF2 - Magnetism**SF2.Novel Mat.**

Poster

*Schierle, E.; Soltwisch V.; Schmitz, D.; Feyerherm, R.; Argyriou, D.; Weschke, E.***Resonant soft x-ray scattering from DyMnO₃**

DPG Frühjahrstagung des Arbeitskreises Festkörperphysik

Berlin 25. Feb - 29. Feb 2008

SF2.Thin films

Oral

*Andersson, C.; Sanyal, B.; Eriksson, O.; Nordström, L.; Karis, O.; Arvanitis, D.; Konishi, T.; Holub-Krappe, E.; Hunter-Dunn, J.:***Influence of ligand states on the relationship between orbital moment and magneto-crystalline anisotropy**

72nd Annual Meeting 2008, DPG-Spring Meeting of the Cond. Matter Section

Berlin 25. Feb - 29. Feb 2008

Invited Talk

*Bak-Misiuk, J.; Anna Wolska, A.; Lawniczak-Jablonska, K.; Klepka, M. T.; Sadowski, J.; Holub-Krappe, E.; Persson, A.; Arvanitis, D.; Dynowska, E.; Romanowski, P.; Domagala, J.; Caliebe, W.:***Structural and magnetic properties of MBE grown MnSb layers**

XXI Congress of the Int. Union of Crystallography

Osaka, Japan 23. Aug - 31. Aug 2008

Invited Talk

*Holub-Krappe, E.; Andersson, C.; Sakamaki, M.; Konishi, T.; Fujikawa, T.; Rossner, H. H.; Sanyal, B.; Eriksson, O.; Nordstrom, L.; Hunter Dunn, J.; Persson, A.; Karis, O.; Arvanitis, D.:***Structural effects and the spin reorientation in Au/Co/Au films**

XXI Congress of the Int. Union of Crystallography, IUCr2008

Osaka, Japan 23. Aug - 31. Aug 2008

Poster

*Lawniczak-Jablonska, K.; A. Wolska, A.; Libera, J.; Klepka, M.T.; Sadowski, J.; Holub-Krappe, E.; Persson, A.; Arvanitis, D.:***Ga INTERSTITIAL SITE OCCUPATION BY Mn ATOMS IN GaAs: EXAFS AND XANES EVIDENCE**

9th Int. School and symposium on Synchrotron Radiation in Natural Science (ISSRNS-9)

Ameliówka, near Kielce, Poland 15. Jun - 20. Jun 2008

Invited Talk

*Lawniczak-Jablonska, K.; Wolska, A.; Klepka, M. T.; Sadowski, J.; Holub-Krappe, E.; Persson, A.; Arvanitis, D.:***Mn atoms in GaAs: first evidence for Ga interstitial site occupation**

XXI Congress of the Int. Union of Crystallography

Osaka, Japan 23. Aug - 31. Aug 2008

Oral

*Sakamaki, M.; Andersson, C.; Konishi, T.; Fujikawa, T.; Holub-Krappe, E.; Rossner, H.; Karis, O.; Persson, A.; Arvanitis, D.:***Co L-edge EXAFS analysis of Au/Co/Au/W(110) magnetic thin films**

72nd Annual Meeting 2008, DPG-Spring Meeting of the Condensed Matter Section

Berlin 25. Feb - 29. Feb 2008

Invited Talk

Sakamaki, M.; Andersson, C.; Konishi, T.; Fujikawa, T.; Holub-Krappe, E.; Rossner, H.; Krappe, H.; Karis, O.; Persson, A.; Arvanitis, D.:

Co L-edge EXAFS analysis of Au/Co/Au magnetic thin films

The 11th meeting of the Japanese XAFS Society

Himeji, Japan 06. Aug - 08. Aug 2008

Poster

Schierle, E.; Schmitz, D.; Springholz, G.; Weschke, E.

Magnetic phase transitions at interfaces studied by resonant magnetic soft x-ray scattering.

DPG Frühjahrstagung des Arbeitskreises Festkörperphysik

Berlin 25. Feb - 29. Feb 2008

Poster

Wolska, A.; Lawniczak-Jablonska, K.; Klepka, M. T.; Sadowski, J.; Holub-Krappe, E.; Persson, A.; Arvanitis, D.:

X-ray Absorption and Magnetic Circular Dichroism on MnSb Layers grown by MBE

9th Int. School and symp. on Synchrotron Radiation in Natural Science (ISSRNS 2008)

Ameliówka, near Kielce, Poland 15. Jun - 20. Jun 2008

Poster

Wolska, A.; Lawniczak-Jablonska, K.; Sadowski, J.; Holub-Krappe, E.; Persson, A.; Arvanitis, D.:

X-ray Magnetic Circular Dichroism on MnSb layers grown by MBE

Workshop on High temporal and spatial resolution of ultrathin magnetic films properties

Augustów, Poland 27. Jun - 02. Jul 2008

SF3.Microstructure

Oral

Zizak, I.; Darowski, N.; Klaumünzer, S.; Schumacher, G.; Gerlach, J.; Assmann, W.

Grain rotation in nanocrystalline layers under influence of swift heavy ions

Seventh international symposium on swift heavy ions in matter (SHIM2008)

Lyon, France 02. Jun - 05. Jun 2008

SF6.Others

Invited Talk

H.N. Bordallo

Natural Soil Environments: The role of cations and superparamagnetic iron oxides

Deutschen Neutronenstreutagung 2008

Garching, Germany 14. Sep - 17. Sep 2008

Oral

H.N. Bordallo, J. de Souza, P. de Tarso, D. Argyriou

Structural Isotopic Effects in the smallest chiral amino acid: Observation of a structural phase transition in fully deuterated alanine.

2008 APS March Meeting

New Orleans, Louisiana, USA 10. Mar - 14. Mar 2008

SF3 - Materials**SE5.Energetics**

Oral

*I. Dorbandt, G. Zehl, P. Bogdanoff, K. Wippermann, S. Haas, A. Hoell, M. Wollgarten, S. Fiechter***Preparation strategies and structural characterization of selenium modified ruthenium nano-particles as cathode catalyst for PEM fuel cells.**

213th ECS Meeting, Phoenix (AZ) 2008

Phoenix 18. May - 22. May 2008

Poster

*Zehl, G.; Dorbandt, I.; Bogdanoff, P.; Fiechter, S.***Selenium-modified ruthenium-nanoparticles as a highly selective electrocatalyst for the oxygen reduction in DMFCs**

F-Cell, 8. Internationales Forum für Produzenten und Anwender

Stuttgart, Germany 28. Sep - 29. Sep 2008

SF1.Others

Poster

*Chmielus, M.; Chernenko, V.A.; Hilger, A.; Kostorz, G.; Müllner, P.; Schneider, R.***MAGNETO& 8208;MECHANICAL PROPERTIES AND FRACTURE OF A MECHANICALLY CONSTRAINED NI& 8208;MN& 8208;GA SINGLE CRYSTAL AFTER EXTENDED MAGNETIC CYCLING**

ICOMAT 2008

Santa Fe, NM, USA 29. Jun - 05. Jul 2008

SF3.Light weight mat.

Invited Talk

*Garcia-Moreno, F.; Goarke Sanjeeviah, V.K.; Brothers, A.; Banhart, J.***Stabilisation of aluminium foam by solid particles**

17th International Symposium on Surfactants in Solution, SIS 2008

Berlin, Germany 18. Aug - 22. Aug 2008

Oral

*Garcia-Moreno, F.; Jiménez, C.; Mukherjee, M.; Holm, P.; Banhart, J.***Experiments on metallic foams under gravity and microgravity**

EUFOAM 2008

Noordwijk, The Netherlands 08. Jul - 10. Jul 2008

Oral

*Garcia-Moreno, F.; Raffaele, Nunzio; Banhart, J.***Optimisation of Mould Filling during PM Metal Foaming**

Cellular Metals for Structural and Functional Applications (CellMet)

Dresden, Germany 08. Oct - 10. Oct 2008

Oral

*Garcia-Moreno, F.; Seeliger, W.; Mukherjee, M.; Jiménez, C.; Banhart, J.***Aluminium Foam Sandwich Technology: Research and Applications**

11th International Conference on Aluminium Alloys

Aachen, Germany 22. Sep - 26. Sep 2008

Poster

*Mukherjee, M.; Ramamurty, U.; Garcia-Moreno, F.; Banhart, J.***Influence of Cooling Rate on the Structure of Closed-cell Aluminium Foams**

11th International Conference on Aluminium Alloys

Aachen, Germany 22. Sep - 26. Sep 2008

SF3.Microstructure

Oral

*Chang, C.S.T.; Wanderka, N.; Banhart, J.***Investigation of natural aging on precipitation in Al-Mg-Si alloy**

DPG Frühjahrstagung

Berlin 25. Feb - 29. Feb 2008

Oral

*Chang, C.S.T.; Wieler, I.; Wanderka, N.; Banhart, J.***Positive and negative effect of natural aging on the precipitation in the Al-Mg-Si alloys**

International Conference of Aluminium Alloys 11

Aachen, Germany 22. Sep - 26. Sep 2008

Oral

*Chang, C.S.T.; Wieler, I.; Wanderka, N.; Banhart, J.***Precipitation in Al-Mg-Si Alloys**

IFES 2008

Rouen, France 29. Jun - 04. Jul 2008

Oral

*Höring, S.; Wanderka, N.; Banhart, J.***Microchemical investigation of the hardening Phase of Fe-Cr-Ni-Al-(Cu) Model alloys**

51st International Field Emission Symposium

Rouen, Frankreich 29. Jun - 04. Jul 2008

Oral

*Lazarev, N.; Abromeit, C.; Schäublin, R.; Gotthardt, R.***Molecular dynamics simulation of track development in a model NiAl alloy**

TAEA Technical Meeting (TM3467)

NSC Kharkov, Ukraine 09. Jun - 13. Jun 2008

Oral

*Matsumura, S.; Hata, S.; Takahashi, T.; Abromeit, C.***Time-Evolution of Short-Range and Long-Range Ordering in Ni₄Mo Alloys during Isothermal Annealing and under Irradiation Studied by Monte-Carlo Simulation**

TMS Conference USA

New Orleans, USA 10. Mar - 10. Mar 2008

Oral

*Mechler, S.; Schumacher, G.; Zizak, I.; Macht, M.-P.; Wanderka, N.***Are metallic glasses destabilized, frustrated quasicrystals?**

RQ 13

Dresden, Germany 24. Aug - 29. Aug 2008

Oral

*Radiguet, B.; Wanderka, N.; Sahoo, K.L.; Blavette, D.; Banhart, J.***Segregation-controlled nanocrystallization in Al-Ni-La metallic glass**

RQ 13

Dresden, Germany 24. Aug - 29. Aug 2008

Invited Talk

*Schumacher, G.; Mechler, S.; Klaumünzer, S.; Wanderka, N.; Macht, M.-P.; Abromeit, C.***Amorphization at Grain Boundaries in Zr-Ti-Ni-Cu Alloys by 300 MeV Kr Ions**

2008 TMS Annual Meeting & Exhibition

New Orleans, LA, USA 09. Mar - 13. Mar 2008

Oral

Scudino, S.; Surreddi, K.B.; Nguyen, H.V.; Sakaliyska, M.; Stoica, M.; Vierke, J.; Wollgarten, M.; Kim, J.S.; Eckert, J.

Synthesis and mechanical properties of bulk nanocrystalline Al₈₇Ni₈La₅ prepared by hot extrusion of gas atomized amorphous powders

Advance Processing for Novel Functional Materials (APNFM)

Dresden 23. Jan - 25. Jan 2008

Oral

Surreddi, K.B.; Nguyen, H.V.; Sakaliyska, M.; Scudino, S.; Stoica, M.; Wollgarten, M.; Kim, J.-S.; Eckert, J.

Synthesis and mechanical properties of Al-Ni-La alloys prepared by hot extrusion and spark plasma sintering of gas atomized powders

DPG Frühjahrstagung

Berlin, Germany 25. Feb - 29. Feb 2008

Oral

Surreddi, K.B.; Scudino, S.; Nikolowski, K.; Stoica, M.; Sakaliyska, M.; Nguyen, H.V.; Kim, J.S.; Vierke, J.; Wollgarten, M.; Eckert, J.

Spark plasma sintering of gas atomized Al₈₇Ni₈La₅ amorphous powders

13th Int. Conference on Rapidly Quenched & Metastable Materials

Dresden, Germany 24. Aug - 29. Aug 2008

Oral

Vierke, J.; Schumacher, G.; Denks, I.; Wanderka, N.; Wollgarten, M.; Banhart, J.; Zizak, I.; Pilyugin, V.P.; Balog, M.; Nagy, J.; Simancik, F.

Strain- and Temperature-induced Glass-to-Crystal Transformations in Al-Ni-La Glass

DPG Frühjahrstagung 2008

Berlin, Germany 25. Feb - 29. Feb 2008

Oral

Wanderka, N.; Abromeit, C.; Banhart, J.

Specimen fabrication from thin foil for Atom Probe using FIB/SEM

IFES 2008

Rouen, France 29. Jun - 04. Jul 2008

Invited Talk

Wollgarten, M.

Das Anwenderzentrum für Tomographische Methoden in der Werkstoffforschung

5. Präparatorentreffen Berlin-Brandenburg

Berlin, Germany 24. Apr - 24. Apr 2008

Poster

Wollgarten, M.; Grothausmann, R.; Bogdanoff, P.; Zehl, G.; Dorbandt, I.; Fiechter, S.; Banhart, J.

Ruthenium deposition CO₂-treated and untreated carbon black investigation by electron tomography

14th European Microscopy Congress

Aachen, Germany 01. Sep - 05. Sep 2008

Invited Talk

Wollgarten, M.; Grothausmann, R.; Fischer, A.

Electron Tomography - Introduction and Applications

1st ASIA EFTEM Workshop

Singapore 10. Nov - 12. Nov 2008

Oral

Wollgarten, M.; Haas, S.; Tatchev, D.; Hoell, A.; Banhart, J.

Investigation of the microstructure during devitrification of amorphous Al₈₈Sm₁₂

13th Int. Conference on Rapidly Quenched & Metastable Materials

Dresden, Germany 24. Aug - 29. Aug 2008

Oral

Zizak, I.; Darowski, N.; Klaumünzer, S.; Schumacher, G.; Gerlach, J.; Assmann, W.

Grain rotation in nanocrystalline layers under influence of swift heavy ions

Seventh international symposium on swift heavy ions in matter (SHIM2008)

Lyon, France 02. Jun - 05. Jun 2008

SF3.Scattering

Invited Talk

Denks, I.

Problems related to near surface residual stress analysis by means of diffraction methods - comparison of angle- and energy-dispersive techniques

11th European Powder Diffraction Conference (EPDIC)

Warschau, Poland 19. Sep - 22. Sep 2008

Invited Talk

Denks, I.; Manns, T.; Genzel, Ch.; Scholtes, B.

An experimental approach to the problem of transforming stress distributions from the LAPLACE - into real space

11 European Powder Diffraction Conference

Warsc 19. Sep - 22. Sep 2008

Invited Talk

Genzel, Ch.

Messung innerer Spannungen in Werkstoffen und Bauteilen mit Röntgenstrahlen - Stand und Perspektiven

Industrieforum 2008, DESY

Hamburg, Germany 05. Nov - 05. Nov 2008

Oral

Haas, S.; Heinemann, A.; Kranold, R.; Tatchev, D.; Goerigk, G.; Müller, M.; Hoell, A.

Nanostructure of silver-free photochromic glasses studied by anomalous small angle X-ray scattering

IUCr2008 - XXI Congress and General Assembly of the International Union of Crystallography

Osaka, Japan 23. Aug - 31. Aug 2008

Invited Talk

Hoell, A.

Anomale Röntgenkleinwinkelstreuung und ihre Anwendung auf Glas und Glaskeramik

Fachausschuss der DGG: Physik und Chemie des Glases innerhalb der Deutschen Glastechnischen Gesellschaft

Würzburg, Germany 13. Mar - 13. Mar 2008

Poster

Hoell, A.; Heinemann, A.; Haas, S.; Tatchev, D.; Kranold, R.; Müller, M.; Goerigk, G.

Nano-structure and chemical composition of a silver-free photochromic glass analysed by ASAXS

HASYLAB user's meeting 2008

Hamburg, Germany 25. Jan - 25. Jan 2008

Poster

Hoell, A.; Tatchev, D.; Haas, S.; Banhart, J.

On the element sensitive analysis of nano-structures by Anomalous Small Angle X-ray Scattering

Synchrotron Radiation in Material Science 6 (SRMS-6)

Campinas, Brasilien 20. Jul - 23. Jul 2008

Oral

Klaus, M.; Reimers, W.; Genzel, Ch.

Application of Energy-Dispersive Diffraction to the Analysis of Highly Inhomogenous Residual Stress Fields in Thin Film Structures

The 8th International Conference on Residual Stresses

Denver, USA 06. Aug - 08. Aug 2008

Oral

Tatchev, D.; Hoell, A.; Eichelbaum, M.; Rademann, K.

In situ SAXS-Study of the Formation of Gold Nano-particles in Soda-lime-silicate Glass

XII.th Research Workshop Nucleation Theory and Application

Dubna, Russia 12. Apr - 20. Apr 2008

Oral

Tatchev, D.; Hoell, A.; Eichelbaum, M.; Rademann, K.

Small angle X-ray scattering study of the formation of gold nanoparticles in glass

Nanoscale Phenomena and Structures in Bulk and Surface Phases

Sofia, Bulgaria 26. Feb - 02. Mar 2008

SF3.Tomo

Poster

Dawson, M.; Hilger, A.; Kardjilov, N.; Manke, I.; Strobl, M.; Grünzweig, C.; Pfeiffer, F.; David, C.; Banhart, J.

Interferometric imaging with neutrons

ITMNR-6

Kobe, Japan 14. Sep - 18. Sep 2008

Oral

Dawson, M.; Kardjilov, N.; Hilger, A.; Manke, I.; Banhart, J.

Neutron imaging at HMI

NeuWave Imaging

Garching, Germany 20. Apr - 24. Apr 2008

Oral

Grupp, R.; Nöthe, M.; Kieback, B.; Banhart, J.

In-situ Investigation of Cooperative Material Transport During the Early Stage of Sintering by Synchrotron X-ray Computed Tomography

Sintering 2008

La Jolla, CA, USA 16. Nov - 20. Nov 2008

Poster

Grupp, R.; Nöthe, M.; Kieback, B.; Banhart, J.

In-situ Investigation of Particle Rearrangement during Sintering using High-Resolution Synchrotron Tomography

Virtual Institute Photon and Neutron Research on Advanced Engineering Materials

Berlin, Germany 05. May - 06. May 2008

Invited Talk

Grupp, R.; Nöthe, M.; Kieback, B.; Banhart, J.

Tomographic in-situ analysis of particle rotations during sintering

Sintering 2008

La Jolla, California, USA 16. Nov - 20. Nov 2008

Oral

Hartnig, Ch.; Lehnert, W.; Manke, I.; Banhart, J.

In situ observation of liquid water evolution and transport in PEM fuel cell

European Fuel Cell Technology and Applications

Rome, Italy 11. Dec - 14. Dec 2008

Oral

Kardjilov, N.; Hilger, A.; Manke, I.; Banhart, J.

The role of monochromatic beams in neutron imaging techniques

Workshop on NEUtron WAVElength dependend IMAGING (NEUWAVE IMAGING)

München, Germany 20. Apr - 24. Apr 2008

Oral

Manke, I.; Hartnig, C.; Kardjilov, N.; Hilger, A.; Petrov, S.; Banhart, J.

Detektor-Entwicklung und Bildgebende Verfahren

1st RunPEM Workshop

Darmstadt, 15. Apr - 15. Apr 2008

Oral

Manke, I.; Hilger, A.; Kardjilov, N.; Schloesser, J.; Petrov, S.; Hartnig, Ch.; Wippermann, K.; Schröder, A.; Sanders, T.; Krüger, P.; Kuhn, R.; Wanderka, N.; Banhart, J.

Entwicklungen am HZB: Detektorentwicklung, Bildanalyse, FIB-Tomographie

2nd RunPEM Workshop

Berlin 10. Nov - 10. Nov 2008

Oral

Manke, I.; Kardjilov, N.; Hilger, A.; Strobl, M.; Banhart, J.

Applications of neutron imaging in science and technology

Workshop on NEUtron WAVElength dependend IMAGING (NEUWAVE IMAGING)

München, Germany 20. Apr - 24. Apr 2008

SF6 - Trace Elements

SF6.Analysis

Poster

Falkenberg, G.; Fleissner, G.; Fleissner, G.; Schuchardt, K.; Kühbacher, M.; Chalmin, E.; Janssens, K.

High resolution micro-XRF maps and electron microscopy of iron oxides inside sensory dendrites of avian magnetoreceptors

9th International Conference on X-Ray Microscopy

Zürich 21. Jul - 25. Jul 2008

Poster

Fleissner, G.; Fleissner, G.; Schuchardt, K.; Kühbacher, M.; Falkenberg, G.

High resolution μ -XRF topography and electron microscopy of iron oxides inside sensory dendrites of avian magnetoreceptors

HASYLAB Users? Meeting 2008

Hamburg 25. Jan - 25. Jan 2008

Invited Talk

Hoffmann, J.U.; Kühbacher, M.; Rethfeldt, C

Datenarchivierung - Positionen im Bereich Strukturforschung

Workshop über die Archivierung von wissenschaftlichen Primärdaten, HZB

Berlin 08. Jul - 09. Jul 2008

Poster

Kühbacher, M.; Bartel, J.; Felsenberg, J.; Eisenhardt, D.; Grünwald, B.; Herzen, J.; Beckmann, F.; Riesemeier, H.; Zabler, S.; Manke, I.; Kyriakopoulos, A.

Novel insights into honeybees with neutrons and photons

European Conference on Metallobiomics

Berlin 03. Dec - 04. Dec 2008

Poster

Kühbacher, M.; Bartel, J.; Grbavac, I.; Bukalis, G.; Alber, D.; Behne, D.; Kyriakopoulos, A.

Berlin's Neutrons: Classical and Modern Tool for the Life Sciences

Festkolloquium - 50 Jahre Neutronenforschung in Berlin

Berlin 14. Jul - 15. Jul 2008

Invited Talk

Kühbacher, M.; Bartel, J.; Grbavac, I.; Bukalis, G.; Alber, D.; Falkenberg, G.; Schade, U.; Bohic, S.; Behne, D.; Kyriakopoulos, A.

Elemental analysis and spectroscopy with coordinates

European Conference on Metallobiomics

Berlin 03. Dec - 04. Dec 2008

Poster

Kuehbacher, M.; Gruenewald, B.; Falkenberg, G.; Welter, E.; Herzen, J.; Beckmann, F.; Kyriakopoulos, A.

Synchrotron based characterisation of insect brains with X-rays

HASYLAB Users' Meeting 2008

Hamburg 25. Jan - 25. Jan 2008

Oral

Kyriakopoulos, A.

Metallo/Metalloidproteine in der pharmazeutischen Analytik

TFH-Workshop FB II

Berlin 15. May - 15. May 2008

Oral

Kyriakopoulos, A.

Ein neues Cu-haltiges Protein

Vortrag FU Berlin/Radioanalytik

Berlin 24. Apr - 24. Apr 2008

Poster

Schmidt, F.; Kühbacher, M.; Galanbor, Z.; Zehbe, R.; Bodmeier, R.; Kyriakopoulos, A.; Schubert, H.

Drug release from biodegradable polymer substrates for chemical stimulation of neural cells

European Conference on Metallobiomics

Berlin 03. Dec - 04. Dec 2008

Poster

Schubert, H.; Schmidt, F.; Zehbe, R.; Thormann, F.; Bodmeier, R.; Ghalanbor, Z.; Gross, U.; Kühbacher, M.

Concept for a Neuronal Regeneration System Based on Micro Structured Film Electrodes with Integrated Drug-Release-System

Berlin Brandenburg Center for Regenerative Therapies Retreat

Berlin 06. Nov - 08. Nov 2008

Poster

Seidel, S.; Kühbacher, M.; Wessel, A.; Hartung, V.; Hilger, A.; Choinka, G.; Manke, I.; Riesemeier, H.; Kyriakopoulos, A.; Hoch, H.

Tomographic insights in evolution

27th BESSY Users' Meeting

Berlin 04. Dec - 05. Dec 2008

Poster

Seidel, S.; Wessel, A.; Kühbacher, M.; Hilger, A.; Hoch, H.

Comparative morphology of genital structures in Butterfly Bugs (Insecta: Hemiptera: Fulgoridae)

101. Jahrestagung der Deutschen Zoologischen Gesellschaft

Jena 19. Sep - 22. Sep 2008

Invited Talk

Wolf, C.

Analyse von Cd-Spezies im Urin von Krebspatienten

Elementspektroskopie Anorganica 2008

Berlin 18. Sep - 18. Sep 2008

SF6.NAA

Poster

Laades, A.; Lauer, K.; Bähr, M.; Maier, C.; Lawerenz, A.; Alber, D.; Nutsch, J.; Lossen, J.; Koitzsch, C.; Kibizov, R.

Impact of iron contamination on CZ silicon solar cells

23rd European Photovoltaic Solar Energy Conference and Exhibition

Valencia, Spain 01. Sep - 05. Sep 2008

Poster

Simons, C.; Mans, C.; Hanning, S.; Janßen, A.; Alber, D.; Radke, M.; Reinholz, U.; Kreyenschmidt, M.

New Polymeric Reference Materials for XRF and LA-ICP-MS - Development and Characterization

European Conference on X-ray Spectrometry

Cavtat, Croatia 16. Jun - 20. Jun 2008

Poster

Simons, C.; Mans, C.; Hanning, S.; Janßen, A.; Alber, D.; Radke, M.; Reinholz, U.; Kreyenschmidt, M.

New Polymeric Reference Materials for XRF and LA-ICP-MS - Development and Characterization

Analytica

München 01. Apr - 04. Apr 2008

SF6.Others

Invited Talk

H.N. Bordallo

Natural Soil Environments: The role of cations and superparamagnetic iron oxides

Deutschen Neutronenstreuungstagung 2008

Garching, Germany 14. Sep - 17. Sep 2008

Oral

H.N. Bordallo, JOELMA DE SOUZA, PAULO DE TARSO, DIMITRI ARGYRIOU

Structural Isotopic Effects in the smallest chiral amino acid: Observation of a structural phase transition in fully deuterated alanine.

2008 APS March Meeting

New Orleans, Louisiana, USA 10. Mar - 14. Mar 2008

SF6.Proteins

Poster

Bartel, J.; Bartz, T.; Charkiewicz, E.; Kyriakopoulos, A.

Studies about the Anti-Apoptotic Function of Ubiquitin C-terminal Hydrolase 3 in Combination with Supplemental Selenium

Apoptosis 2008

Luxemburg 23. Jan - 26. Jan 2008

Poster

Bartz, T.; Charkiewicz, E.; Bartel, J.; Soete, A.; Kyriakopoulos, A.

Molybdenum in Rat Colon and the Human Colon Carcinoma Cell Line HT-29

24. Jahrestagung der Gesellschaft für Mineralstoffe und Spurenelemente

Berlin 14. Nov - 15. Nov 2008

Oral

Kyriakopoulos, A.

Selenoproteine im oxidativen Stress

Vortrag bei RINA-Technologien

Berlin 11. Dec - 11. Dec 2008

SF8 - Structure and Dynamics

SF3.Microstructure

Invited Talk

Schumacher, G.; Mechler, S.; Klaumünzer, S.; Wanderka, N.; Macht, M.-P.; Abromeit, C.

Amorphization at Grain Boundaries in Zr-Ti-Ni-Cu Alloys by 300 MeV Kr Ions

2008 TMS Annual Meeting & Exhibition

New Orleans, LA, USA 09. Mar - 13. Mar 2008

Oral

Zizak, I.; Darowski, N.; Klaumünzer, S.; Schumacher, G.; Gerlach, J.; Assmann, W.

Grain rotation in nanocrystalline layers under influence of swift heavy ions

Seventh international symposium on swift heavy ions in matter (SHIM2008)

Lyon, France 02. Jun - 05. Jun 2008

SF8-Others

Invited Talk

Mahnke, H.-E.; Zizak, I.; Koteski, V.

SAXS studies of ion-beam induced nano-sized silver metal clusters in glass

International workshop on Swift Heavy Ions in Matter SHIM 2008

Lyon 02. Jun - 06. Jun 2008

SF8.Dynamics

Invited Talk

Grande, P.L.; Pezzi, R.P.; Hentz, A.; Sortica, M.A.; Schiwietz, G.

"Ab-initio and analytical line shape for high resolution ion scattering" (invited talk)

23rd Internat. Conf. on Atomic Collisions in Solids (ICACS23)

Phalaborwa, South Africa 17. Aug - 22. Aug 2008

Invited Talk

Grande, P.L.; Schiwietz, G.

Convolution approximation for the energy loss, ionization probability and straggling of fast ions (invited talk)

7th International Symposium on Swift Heavy Ions in Matter (SHIM 2008)

Lyon, France 02. Jun - 05. Jun 2008

Oral

Papaléo, R.M.; Silva, M.R.; Leal, R.; Barbosa, L.G.; Grande, P.L.; Roth, M.; Schattat, B.; Schiwietz, G.

"Cratering produced by swift heavy ions on thin organic films: the role of the projectile charge-state and the layer thickness" (selected oral contribution)

7th International Symposium on Swift Heavy Ions in Matter (SHIM 2008)

Lyon, France 02. Jun - 05. Jun 2008

Invited Talk

Schiwietz, G.; Staufenbiel, F.; Roth, M.; Czernski, K.; Grande, P.L.

"What can we learn from ion-induced Auger angular distributions?" (invited talk)

23rd Internat. Conf. on Atomic Collisions in Solids (ICACS23)

Phalaborwa, South Africa 17. Aug - 22. Aug 2008

Invited Talk

Schiwietz, G.; Staufenbiel, F.; Roth, M.; Czernski, K.; Grande, P.L.

"Electronic Energy Dissipation of Fast Charged Particles in Matter" (invited talk)

2nd International Workshop of the SFB616 'Energy Dissipation at Surfaces'

Bad Honnef, Germany 25. Aug - 28. Aug 2008

Oral

Schiwietz, G.; Staufenbiel, F.; Roth, M.; Czernski, K.; Grande, P.L.

"Auger-electron absorption during ion-track formation at metallic surfaces" (selected post-deadline talk, DPG, Oberflächen)

72. Jahrestagung der Deutschen Physikalischen Gesellschaft

Berlin, Germany 25. Feb - 29. Feb 2008

Oral

Schiwietz, G.; Staufenbiel, F.; Roth, M.; Czernski, K.; Hellhammer, R.; Fadanelli, R.C.; Grande, P.L.

"Auger angular-distribution effects related to ion-track formation" (selected oral contribution)

7th International Symposium on Swift Heavy Ions in Matter (SHIM 2008)

Lyon, France 02. Jun - 05. Jun 2008

SF8.Structures

Poster

Udayan De; Röhrich, J.; Sternemann, Ch.; Bohne, W.

Heavy Ion Elastic Recoil Detection Analysis of II-VI electronic materials

SHIM 2008

Lyon, Frankreich 02. Jun - 04. Jun 2008

SFN1 - Magnetism and Superconductivity of Quantum Materials

SF.N1

Oral

Lake, B.

Neutron Scattering Studies of Strong and Weakly-Coupled Spin-1/2 Spin Ladders.

American Physical Society March Meeting

New Orleans, USA 10. Mar - 14. Mar 2008

Oral

Lake, B.

Magnetic structure of Frustrated Haldane Chain Compound CaV₂O₄

American Physical Society March Meeting

New Orleans, USA 10. Mar - 14. Mar 2008

Oral

Pieper, O.; Lake, B.; Daoud-Aladine, A.; Reehuis, M.; Prokes, K.; Klemke, B.; Kiefer, K.; Yan, J.Q.; Niazi, A.; Johnston, D.C.

Magnetic structure of the quasi one-dimensional frustrated spin 1 antiferromagnet CaV₂O₄

XXI IUCr Congress

Osaka, Japan 23. Aug - 31. Aug 2008

Poster

Pieper, O.; Lake, B.; Daoud-Aladine, A.; Reehuis, M.; Prokes, K.; Rule, K.; Habicht, K.; Klemke, B.; Kiefer, K.; Enderle, M.; Perring, T.G.; Yan, J.Q.; Niazi, A.; Johnston, D.C.

Canted spin chains in the frustrated $S=1$ Haldane material CaV_2O_4

50 Jahre Neutronen, Helmholtz-Zentrum Berlin

Berlin 15. Jul - 15. Jul 2008

Poster

Quintero Castro, D.; Girata, D.

Physical Properties in Powder, Bulk and Thin Films of $\text{La}_{2/3}\text{Cr}_x\text{Mn}_{1-x}\text{O}_3$ with Low Doping.

IEEE International Magnetics Conference

Madrid, Spain 04. May - 08. May 2008

Oral

Wheeler, E.

Single crystal neutron study of a spin-half square lattice antiferromagnet: CuSb_2O_6

Meeting of the Triple Axis Group, ILL

Rencrel, France 13. Mar - 15. Mar 2008

SE - Solar Energy Research

SE1 - Silicon Photovoltaics

SE1.Cells

Poster

Amkreutz, D.; Groth, C.; Ong, K.; Müller, J.; Didschuns, I.; Klimm, C.; Schmidt, M.

Electron beam crystallised thin film silicon solar cell on floatglass

23rd European Photovoltaic Solar Energy Conference

Valencia, Spain 01. Sep - 15. Sep 2008

Invited Talk

Angermann, H.

Wet-chemical passivation and electronic interface properties of silicon substrates,

SSSI 2008, 6th International Conference on Solid State Surfaces and Interfaces

Smolenice, Slovakia 24. Nov - 27. Nov 2008

Poster

Angermann, H.; Klimm, C.

Textured Silicon Substrates: Preparation and Characterization

Tag der Chemie

HUB, Berlin Adlershof 23. Apr - 24. Apr 2008

Poster

Angermann, H.; Rappich, J.; Korte, L.; Conrad, E.; Schmidt, M.

Passivation of structured substrates for a-Si:H/c-Si hetero-junction solar cells: wet-chemical preparation and electronic interface properties

E-MRS 2008 Spring meeting,

Strasbourg, France 26. May - 30. May 2008

Poster

Angermann, H.; Schulze, T.; Conrad, E.; Rappich, J.; Korte, L.; Schmidt, M.

Cleaning and passivation of structured Si substrates: wet-chemical preparation and interface properties of a-Si:H/c-Si hetero solar cells

23 EU PVSEC

Valencia, Spain 01. Sep - 05. Sep 2008

Poster

Becker, C.; Dogan, P.; Hänel, T.; Gorka, B.; Lee, K.Y.; Ruske, F.; Fenske, F.; Gall, S.; Rech, B.

Polycrystalline silicon thin-film solar cells on ZnO:Al coated glass

MRS spring meeting 2008

San Francisco 23. Mar - 28. Mar 2008

Oral

Becker, C.; Dogan, P.; Ruske, F.; Gorka, B.; Sánchez Vicens, A.; Conrad, E.; Gall, S.; Rech, B.; Hüpkes, J.

Solid phase crystallized silicon thin-film solar cells on temperature-stable ZnO:Al contact layers

23rd EUPVSEC, Valencia

Valencia 01. Sep - 05. Sep 2008

Invited Talk

Behrends, J.

Electrical Detection of Coherent Phosphorus Spin Quantum States

4th Workshop on Carbon-based Quantum Computing

Freie Universität Berlin, 14.03.2008

Oral

Behrends, J.; Boehme, C.; Schmidt, M.; Lips, K.

Observation of Spin Pair Generation with Pulsed Electrically Detected Magnetic Resonance

DPG Frühjahrstagung 2008

Berlin 25. Feb - 29. Feb 2008

Poster

Behrends, J.; Schnegg, A.; Haas, S.; Finger, F.; Rech, B.; Lips, K.

Spin-dependent Transport and Recombination in Thin-film Solar Cells: A Pulsed Electrically Detected Magnetic Resonance Study

EUROMAR-2008 Magnetic Resonance Conference

St. Petersburg, Russland 06. Jul - 11. Jul 2008

Poster

Behrends, J.; Schnegg, A.; Thomsen, E.A.; Samuel, I.D.W.; Pandey, A.K.; Lips, K.; Keeble, D.J.

Transport in Organic Solar Cells studied with Pulsed Electrically Detected Magnetic Resonance

DPG Frühjahrstagung 2008

Berlin 25. Feb - 29. Feb 2008

Oral

Dogan, P.; Fenske, F.; Lee, K.; Gorka, B.; Gall, S.; Rech, B.

Low Temperature Epitaxy of Si by E-beam Evaporation for Polycrystalline Si Thin Film Solar Cells

INTERNATIONAL WORKSHOP ON ADVANCED MATERIALS AND DEVICES FOR PHOTOVOLTAIC APPLICATIONS (NANOMAT 2008)

Metu, Ankara, Turkey 24. Apr - 25. Apr 2008

Invited Talk

Fuhs, W.

Recombination in disordered materials

Intern. Workshop on Advanced Materials for Optoelectronics and Related Physics

Inaoe, Puebla, Mexico 05. Oct - 11. Oct 2008

Invited Talk

Fuhs, W.

Recombination in thin-film devices

Intern. Workshop on Advanced Materials for Optoelectronics and Related Physics

Inaoe, Puebla, Mexico 05. Oct - 11. Oct 2008

Invited Talk

Fuhs, W.

Basic concepts of photoconduction

Intern. Workshop on Advanced Materials for Optoelectronics and Related Physics

Inaoe, Puebla, Mexico 05. Oct - 11. Oct 2008

Invited Talk

Gall, S.

Photovoltaics - an overview on the current status

International Seminar

Istanbul, Turkey 16. Sep - 20. Sep 2008

Invited Talk

Gall, S.

Photovoltaik - Anwendungen

International Seminar

Istanbul, Turkey 16. Sep - 20. Sep 2008

Invited Talk

Gall, S.

Photovoltaics - an overview on the current status

International Seminar "Renewable Energies and Efficient Use of Energy in Mining in Latin America?"

Santiago, Chile 03. Apr - 07. Apr 2008

Invited Talk

Gall, S.

Photovoltaik - Anwendungen

International Seminar "Renewable Energies and Efficient Use of Energy in Mining in Latin America?"
Santiago, Chile 03. Apr - 07. Apr 2008

Oral

Gestel, D. V.; Dogan, P.; Gordon, I.; Bender, H.; Lee, K. Y.; Beaucarne, G.; Gall, S.; Poortmans, J.

Investigation of intragrain defects in pc-Si layers obtained by aluminum-induced crystallization: comparison of layers made by low and high temperature epitaxy

EMRS 2008 Spring Conference
Strasbourg, France 26. May - 30. May 2008

Poster

Gluba, M.; Nickel, N.H.

A density functional theory investigation of manganese in zinc oxide

5th international Workshop on ZnO and related materials
Ypsilanti, Michigan, USA 21. Sep - 24. Sep 2008

Oral

Gluba, M.A.; Nickel, N.H.

ZnO:Mn valence configuration from the perspective of density functional theory

72. Jahrestagung der DPG und DPG Frühjahrstagung des Arbeitskreises Festkörperphysik
Berlin 25. Feb - 29. Feb 2008

Oral

Gorka, B.; Rau, B.; Dogan, P.; Becker, C.; Ruske, F.; Gall, S.; Rech, B.

Influence of Hydrogen Plasma on the Defect Passivation of Polycrystalline Si Thin Film Solar Cells

The Eleventh International Conference on Plasma Surface Engineering
Garmisch-Partenkirchen 15. Sep - 19. Sep 2008

Poster

Lee, K. Y.; Dogan, P.; Ruske, F.; Gorka, B.; Gall, S.; Rech, B.; Hüpkens, J.

The properties of poly-Si films grown on ZnO:Al coated glass by aluminium-induced layer exchange (ALILE) process

23rd European Photovoltaic Solar Energy Conference
Valencia, Spain 01. Sep - 05. Sep 2008

Invited Talk

Lips, K.

Silicon Photovoltaics

European Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion
Hirschegg, Austria 14. Sep - 21. Sep 2008

Invited Talk

Lips, K.

Electrical detection of pulsed EPR in silicon

41st Annual International Meeting of the Electron Spin Resonance Group of the Royal Society of Chemistry,
University College London, London, England,
London, England, 06. Apr - 10. Apr 2008

Invited Talk

Lips, K.

Magnetische Resonanz Spektroskopie mit Thz Strahlung

Fokusseminar »Terahertz-Technologie und ihre Anwendungen«
Groß Dölln, 13.11.2008

Invited Talk

Lips, K.

Qubits in Silicon

International Summer School on Physics at Nanoscale

Skal, Tschechien 16. Jun - 21. Jun 2008

Invited Talk

Lips, K.; Behrends, J.; Rech, B.; Brandt, M.; Stutzmann, M.; Astakhov, O.; Finger, F.; Bittl, R.; Holldack, K.; Frysoldt, C.; Neugebauer, J.; Schnegg, A.

Light-induced degradation and defects in amorphous and microcrystalline silicon - a new approach to an old problem with novel EPR techniques

20th workshop on Quantum Solar Energy Conversion (Quantsol) Bad Gastein, Austria, 2.3- 7.3.2008

Bad Gastein, Österreich 02. Mar - 07. Mar 2008

Oral

Lips, K.; Behrends, J.; Tribollet, J.

Millisecond Spin Coherence for Fe³⁺ in ZnO: A Promising Qubit.

MRS Fall Konferenz

Boston, USA 01. Nov - 05. Nov 2008

Oral

Lips, K.; Schnegg, A.; Behrends, J.; Bittl, R.; Holldack, K.

Determination of Zero Field Splittings in Single Molecule Magnets: a Synchrotron Based Fourier Transform THz EPR Study.

MRS Fall Meeting

Boston, USA 01. Nov - 05. Nov 2008

Invited Talk

Nickel, N. H.

Hydrogen-induced defect passivation and generation in laser crystallized silicon

E-MRS Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Oral

Nickel, N. H.

Hydrogen-induced passivation of grain-boundary defects in polycrystalline silicon

MRS Fall Meeting

Boston, USA 01. Dec - 05. Dec 2008

Oral

Nickel, N. H., Scheller, L.-P.; Gluba, M. A.; Weizman, M.

Influence of hydrogen on the electrical transport in zinc oxide

MRS Fall Meeting

Boston, USA 01. Dec - 05. Dec 2008

Oral

Nickel, N. H.; Gluba, M. A.; Neugebauer, J.

Modification of Si surfaces using CH₃ molecules

MRS Spring Meeting

San Francisco, USA 24. Mar - 28. Mar 2008

Poster

Rau, B.; Weber, T.; Gorka, B.; Dogan, P.; Fenske, F.; Lee, K.Y.; Becker, C.; Gall, S.; Rech, B.

Development of a rapid thermal annealing process for polycrystalline silicon thin-film solar cells on glass

E-MRS Spring Meeting 2008

Strasbourg, Frankreich 26. May - 30. May 2008

Invited Talk

Rech, B.

Thin film technology perspectives and challenges

“Solar Summits“ - Intern. Conf on Renewable and Efficient Energy Use
Freiburg i. Breisgau 22. Oct - 24. Oct 2008

Invited Talk

Rech, B.

Current challenges and novel approaches for thin-film silicon solar cells

Photovoltaics PhD Workshop
Ascona, Switzerland 16. Nov - 18. Nov 2008

Invited Talk

Rech, B.

Amorphes Silizium, Mikrokristallines Silizium, Tandemzellen, Kristalline Dünnschichtzellen

4. OTTI-Anwenderforum „Dünnschicht-Photovoltaik: Module, Systeme, Anwendungen“
Kloster Banz, Bad Staffelstein 11. Feb - 12. Feb 2008

Invited Talk

Rech, B.

Challenges and Perspectives of Thin-Film Photovoltaics

11th International Conf. on Plasma Surface Engineering - PSE, Garmisch-Partenkirchen
Garmisch-Partenkirchen 15. Sep - 15. Sep 2008

Invited Talk

Rech, B. - Schlatmann, R.

Aufbau und Entwicklung eines Photovoltaik-Kompetenzzentrums mit Berliner und Brandenburger Institutionen und Unternehmen

Innovationsgipfel Brandenburg/Berlin
Potsdam 03. Nov - 03. Nov 2008

Invited Talk

Rech, B.; Becker, Ch.; Rau, B.; Korte, L.; Gorke, B.; Fenske, F.; Gall, St.

Current challenges and novel approaches for thin-film silicon solar cells

MRS Fall Meeting
Boston, USA 01. Dec - 05. Dec 2008

Invited Talk

Rech, B.; Schlatmann, R.

Dünnschicht und Nanotechnologie für Silizium - Dünnschichtsolarzellen

1. NMN (Nano- und Materialinnovation Niedersachsen e.V.) Symposium
Braunschweig 18. Nov - 18. Nov 2008

Invited Talk

Ruske, F.

Magnetronspattern von TCO-Schichten

OTTI-Fachtagung „Funktionalisierung von Glasoberflächen durch Beschichtung“
Regensburg 15. Apr - 16. Apr 2008

Oral

Ruske, F.; Lee, K.; Roczen, M.; Becker, C.; Hüpkes, J.; Gall, S.; Rech, B.

Effect of thermal treatment on carrier concentration and transport in zinc oxide

2nd International Workshop on Transparent Conducting Oxides
Heraklion, Crete, Greece 22. Oct - 26. Oct 2008

Oral

Ruske, F.; Pflug, A.; Sittinger, V.; Szyszka, B.; Greiner, D.; Rech, B.

Optical modelling of free electron behaviour in highly doped ZnO films

2nd International Symposium on Transparent Conductive Oxides
Hersonissos, Crete, Greece 22. Oct - 26. Oct 2008

Oral

Scheller, L.-P.; Weizman, M.; Nickel, N. H.; Yan, B.

Grain boundary conduction in undoped laser-crystallized polycrystalline silicon-germanium thin films

DPG Frühjahrstagung des Arbeitskreises Festkörperphysik

Berlin 25. Feb - 29. Feb 2008

Invited Talk

Scheller, L.-P.

Deep Level Transient Spectroscopy (DLTS)

Heimbach-Workshop 2008 (TU Berlin, AG Prof. Kneissl)

Mansfeld, 15.09.2008

Invited Talk

Scheller, L.-P.; Weizman, M.; Nickel, N.H.

Electric transport properties of laser-crystallized polycrystalline silicon-germanium thin films

45. Treffen des Arbeitskreises Punktdefekte

TU Dresden, 03.04.2008

Invited Talk

Schlatmann, R.

Overview: Thin film technologies & machinery

PV industry Munic

München 10. Jun - 12. Jun 2008

Invited Talk

Schnegg, A.; Behrends, J.; Lips, K.; Bittl, R.; Bill, E.; Holldack, K.

Fourier Transform THz EPR on single molecular magnets.

31th International EPR Symposium Preliminary Program

Breckenridge, USA 27. Jul - 31. Jul 2008

Poster

Schnegg, A.; Behrends, J.; Lips, K.; Bittl, R.; Bill, E.; Holldack, K.

Determination of Zero Field Splittings in Single Molecule Magnets: a Synchrotron Based Fourier Transform THz EPR Study

The 27th BESSY Users' Meeting

Berlin, Deutschland 04. Dec - 05. Dec 2008

Oral

Schnegg, A.; Behrends, J.; Lips, K.; Bittl, R.; Holldack, K.

Determination of Zero Field Splittings in Single Molecule Magnets: a Synchrotron Based Fourier Transform THz EPR Study

ICMM 2008

Florenz, Italien 21. Sep - 24. Sep 2008

Oral

Schnegg, A.; Behrends, J.; Lips, K.; Bittl, R.; Holldack, K.

FOURIER TRANSFORM THZ EPR ON SINGLE MOLECULAR MAGNETS

EUROMAR 2008

St. Petersburg, Russland 06. Jul - 11. Jul 2008

Oral

Sievert, W.; Zimmermann, K-U.; Hartmann, B.; Klimm, C.; Jacob, K.; Angermann, H;

Wet-chemical passivation and surface characterization of structured silicon substrates

Symposium on Ultra Clean Processing of Semiconductor Surfaces, UCPSS 2008

Bruges (Belgium) 21. Sep - 24. Sep 2008

Oral

Weizman, M.; Scheller, L.-P.; Nickel, N. H.; Yan, B.

Electrical and optical properties of laser-crystallized polycrystalline silicon-germanium thin films

72. DPG-Frühjahrstagung

Berlin 25. Feb - 29. Feb 2008

Poster

Yang, F.; Hunger, R.; Roodenko K.; Hinrichs K.; Rademann K.; Rappich J.

Vibrational and electronic properties of methylated silicon (111) surfaces in air

DPG-Frühjahrstagung Berlin

Berlin 25. Feb - 29. Feb 2008

Poster

Yang, F.; Hunger, R.; Roodenko K.; Hinrichs K.; Rademann K.; Rappich J.

Vibrational and electronic properties of silicon (111) surfaces electrochemically modified by small organic molecules

Organic Microelectronics and Optoelectronics Workshop IV

San Fransisco 07. Jul - 10. Jul 2008

Oral

van de Sanden, M.C.M.; Dingemans, G.; van den Donker, M.N.; Hrunski, D.; Gordijn, A.; Finger, F.; Rech, B.; Kessels, W.M.M.

The Atomic Hydrogen flux to Silicon Growth flux ratio during Micro-crystalline Silicon Solar Cell deposition

MRS Spring Meeting

San Francisco, USA 24. Mar - 28. Mar 2008

SE1.Hetero

Invited Talk

Angermann, H.

Naß-chemische Konditionierung von Siliziumsubstraten: Optimierung von optischen und elektronischen Grenzflächeneigenschaften

Workshop: Photovoltaics meets Microtechnology

CiS Forschungsinstitut für Mikrosensorik und Photovoltaik GmbH Erfurt, 29. Oct - 30. Oct 2008

Poster

Aureau, D. ; Rappich, J. ; Chazalviel, J.-N. ; Henry de Villeneuve, C. ; Ozanam, F. ; Allongue, P.

Electronic properties of Si(111)/alkyl monolayer interfaces

The 22nd Conference of the Condensed Matter Div. of the European Physical Society

Rom- Italy 25. Aug - 29. Aug 2008

Poster

Didschuns, I.; Korte, L.; Bauch, B.; Conrad, E.; Schmidt, M.

Effective lifetime investigation of a-Si/c-Si heterojunctions

E-MRS Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Invited Talk

Hagemann, V.; Cumberbatch, E.; Fellner, K.A.; Gasser, I.; Glitzky, A.; Mielke, A.; Polzehl, J.; Racec, P.N.; Rathsfeld, A.; Pomplun, J.; Schmidt, F.; Sontheimer, T.; Stangl, R.

Light trapping in thin film silicon solar cells

Workshop: Mathematics in industry,

Berlin, 06.10.2008

Oral

Haschke, J.

Rückseitenkontaktierte amorph/kristalline Silizium Heterosolarzellen

SiliconFOREST 2008

Falkau 25. Feb - 27. Feb 2008

Poster

Haschke, J.; Stangl, R.; Bivour, M.; Conrad, E.; Korte, L.; Schmidt, M.; Lips, K.; Rech, B.

New rear contacted amorphous/crystalline silicon heterojunction solar cells

23rd European Photovoltaic Solar Energy Conference, Valencia, Spain, Sept. 2008

Valencia, Spain 01. Sep - 05. Sep 2008

Oral

*Hinrichs, K.; Silaghi, S.; Intelmann, C.M.; Roodenko, K.; Esser, N.; Rappich, J.***In-situ monitoring of electrochemically prepared organic films**

DPG-Frühjahrstagung

Berlin 25. Mar - 29. Mar 2008

Oral

*Intelmann C.M., Sysritski V., Hinrichs K., Rappich J.***In-Situ Investigations of Silicon/Polypyrrole Interfaces by Pulsed Photoluminescence and IR Spectroscopic Ellipsometry**

GdCh, Rostock , 10. Frühjahrssymposium

Rostock 27. Mar - 29. Mar 2008

Oral

*Intelmann, C.M.; Syritski, V.; Hinrichs, K.; Rappich, J.***In-Situ Investigations of Si/Polypyrrole Interfaces by Pulsed Photoluminescence and IR Spectroscopic Ellipsometry**

DPG-Frühjahrstagung

Berlin 25. Mar - 29. Mar 2008

Oral

*Köhler, R.; Schöpke, A.; Shokhovets, S.; Gobsch, G.***The influence of dc sputtered nO:Al on ZnO:Al/a-Si:H/c-Si heterostructures**

72. DPG-Frühjahrstagung

Berlin 25. Feb - 29. Feb 2008

Poster

*Korte, L.; Bastide, S.; Lévy-Clément, C.***Fast measurements of effective optical reflectivity using a conventional flatbed scanner**

23rd European Photovoltaic Solar Energy Conference

Valencia, Spain 01. Sep - 05. Sep 2008

Oral

*Korte, L.; Laades, A.; Lauer, K.; Stangl, R.; Schaffarzik, D.; Schmidt, M.***Surface photovoltage investigation of recombination at the a-Si/c-Si heterojunction**

E-MRS Spring Meeting 2008

Strasbourg, France 26. May - 30. May 2008

Oral

*Schmidt, M., Rölver, R., Sixtensson, D., Spangenberg, B., Stegemann, B.***Photoelectrical properties of Si/SiO₂ quantum well structures**

E-MRS 2008

Strasbourg, France 26. May - 30. May 2008

Oral

*Sixtensson, D.; Stegemann, B.; Schmidt, M.***Influence of gap state defect passivation on transport properties in SiO₂/Si/SiO₂ quantum layers**

72. Jahrestagung der Deutschen Physikalischen Gesellschaft (DPG)

Berlin 25. Feb - 29. Feb 2008

Invited Talk

*Stangl, R.***Principles of solar cell simulation**

European Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion

Hirschegg, Österreich 14. Sep - 21. Sep 2008

Invited Talk

*Stangl, R.; Haschke, J.; Bivour, M.***Rear Contacted Silicon Heterojunction Solar Cells, -processing, simulation, characterisation-**

Workshop am Weierstrass Institut für angewandte Analysis und Stochastik, WIAS

Berlin 05. Nov - 05. Nov 2008

Invited Talk

Stangl, R.; Haschke, J.; Bivour, M.; Schmidt, M.; Lips, K.; Rech, B.

planar rear emitter back contact a-Si:H/c-Si heterojunction solar cells

33rd IEEE Photovoltaik Specialists Conference, San Diego, USA, May 2008

San Diego, USA 11. May - 16. May 2008

Poster

Stegemann, B., Lussy, T., Sixtensson, D., Schoepke, A., Schmidt, M.

Silicon Quantum Dot Formation by Thermal Decomposition of SiO_x Layers under UHV Conditions

Tag der Chemie und Innovationskongress Chemie und Biotechnologie

WISTA Berlin-Adlershof 23. Apr - 23. Apr 2008

Invited Talk

Stegemann, B., Lussy, T., Schöpke, A., Schmidt, M.

High-Efficiency Concepts for Photovoltaics based on Silicon Quantum Structures

Workshop: Photovoltaics meets Microtechnology

CiS Forschungsinstitut für Mikrosensorik und Photovoltaik GmbH Erfurt 29. Oct - 30. Oct 2008

Invited Talk

Stegemann, B., Lussy, T., Schöpke, A., Schmidt, M.

Silicon Quantum Structures for Photovoltaics

Technoscan Workshop: New Materials, Technologies and Device Structures for Photovoltaics

Energy Research Centre of the Netherlands (ECN), Petten, Netherland 28. Oct - 28. Oct 2008

Oral

Stegemann, B., Sixtensson, D., Lussy, T., Schoepke, A., Schmidt, M.

Si/SiO₂ Quantum Well and Quantum Dot Structures: Atomic-Scale Preparation and Characterization with Respect to Photovoltaic Application

23rd European Photovoltaic Solar Energy Conference

Valencia, Spain 01. Sep - 05. Sep 2008

Poster

Stegemann, B.; Lussy, T.; Schoepke, A.; Schmidt, M.

Photoconductivity in Si/SiO₂ Single Quantum Wells and Quantum Dot Layers

Solar Energy: New Materials and Nanostructured Devices for High Efficiency

Stanford University, Palo Alto, USA 24. Jun - 25. Jun 2008

Poster

Stegemann, B.; Lußky, T.; Sixtensson, D.; Schoepke, A.; Schmidt, M.

Kinetics of Si quantum dot formation in thermally deposited SiO_x layers upon vacuum annealing

72. Jahrestagung der DPG

Berlin 25. Feb - 29. Feb 2008

Oral

Stegemann, B.; Sixtensson, D.; Schmidt, M.

Influence of interface passivation on the photoelectric properties of Si/SiO₂ nanostructures

20th Anniversary Workshop on Quantum Solar Energy Conversion (QUANTSOL 2008 Winter workshop)

Bad Gastein, Salzburg, Österreich 02. Mar - 07. Mar 2008

Oral

Stegemann, B.; Sixtensson, D.; Schmidt, M.

Passivation of interfacial gap state defects at UHV prepared ultrathin SiO₂ layers on Si(111), Si(110), and Si(100)

E-MRS 2008

Strasbourg 26. May - 30. May 2008

Oral

Suckow, S.; Kittler, M.; Seifert, W.; Arguirov, T.; Schmidt, M.; Stegemann, B.; Angermann, H.

Preparation and tunneling characteristics of MOS structures for Si-based IR light emitters

72. Jahrestagung der Deutschen Physikalischen Gesellschaft (DPG)

Berlin 02. Mar - 07. Mar 2008

Oral

Suwito, D.; Roth, T.; Pysch, D.; Korte, L.; Richter, A.; Janz, S.; Glunz, S.W.

Detailed Study on the Passivation Mechanism of a-SiC_{1-x} for the Solar Cell Rear Side

23rd European Photovoltaic Solar Energy Conference

Valencia, Spain 01. Sep - 05. Sep 2008

Poster

Yang F., Hunger R., Roodenko K., Hinrichs K., Rademann K., Intelmann C.M., Rappich J.

Elektronische und schwingungsspektroskopische Eigenschaften methylierter Si(111)-Oberflächen

Tag der Chemie an der HUB, 2008

Berlin 23. Apr - 24. Apr 2008

SE1.Others

Oral

Zhang, X.; Sun, G.; Intelmann, C.M.; Kroening, S.; Rosu, D.M.; Hinrichs, K.; Esser, N.; Volkmer, R.; Nickel, N.H.; Janietz, S.; Rappich, J.

Functionalisation of Au and Si(111) surfaces by benzoic acid

The 22nd Conference of the Condensed Matter Div. of the European Physical Society

Rom, Italien 25. Aug - 29. Aug 2008

SE2.Integration

Oral

Greiner, D.; Papathanasiou, N.; Pflug, A.; Ruske, F.; Klenk, R.

Influence of damp heat on the optical and electrical properties of Al-doped zinc oxide (ZAO)

EMRS Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Oral

Köble, C.; Greiner, D.; Klaer, J.; Klenk, R.; Meeder, A., Ruske, F.

DC reactive sputtering of aluminium doped zinc oxide films for solar modules controlled by target voltage

2nd International Symposium on Transparent Conductive Oxides

Kreta - Griechenland 22. Oct - 26. Oct 2008

SE3.Control

Poster

Abou-Ras, D.; Kaufmann, C.A.; Schöpke, A.; Schorr, S.; Stephan, C.; Eicke, A.; Döbeli, M.; Gade, B.; Nunney, T.; Hoffmann, V.; Klemm, D.; Efimova, V.; Bergmaier, A.; Dollinger, G.

Elemental distribution profiles across Cu(In,Ga)Se₂ solar-cell absorbers acquired by various techniques

14th European Microscopy Congress

Aachen, Germany 01. Sep - 05. Sep 2008

SE2 - Heterogeneous Material Systems

SE1.Cells

Oral

Ruske, F.; Pflug, A.; Sittinger, V.; Szyszka, B.; Greiner, D.; Rech, B.

Optical modelling of free electron behaviour in highly doped ZnO films

2nd International Symposium on Transparent Conductive Oxides

Hersonissos, Crete, Greece 22. Oct - 26. Oct 2008

SE2.Analytics

Oral

P. Pistor, N. Allsop, W. Braun, R. Caballero, Ch.-H. Fischer, M. Glogoi, A. Grimm, I. Lauermann, S. Lehmann, H. Mönig, B. Johnson, T. Kropp, R. Klenk, F. Schäfer, S. Schorr and A. Weber

Cu in In₂S₃: interdiffusion phenomena in thin films analysed by high kinetic energy x-ray photoelectron spectroscopy

16th ICTMC in Berlin September 2008

Berlin 15. Sep - 19. Sep 2008

Oral

F. Streicher, S. Sadewasser, T. Enzenhofer, H.-W. Schock, M.Ch. Lux-Steiner

Locally resolved surface photo voltage spectroscopy on Zn-doped CuInS₂ polycrystalline thin films

European Materials Research Society (EMRS) spring meeting

Strasbourg, France 26. May - 30. May 2008

Poster

Grimm, A.; Klaer, J.; Klenk, R.; Lauermann, I.; Neisser, A.; Meeder, A.; Voigt, St.

An alternative window layer concept for chalcopyrite-based thin film solar cells

2nd International Symposium on Transparent Conductive Oxides

Crete, Greece 22. Oct - 26. Oct 2008

Invited Talk

H. Mönig, F. Streicher, R. Caballero, M. Ch. Lux-Steiner and S. Sadewasser

Scanning tunneling spectroscopy on the chalcopyrite solar cell absorber material Cu(In,Ga)Se₂

International Conference on Nanoscience + Technology (ICN+T)

Keystone, CO, USA 20. Jul - 25. Jul 2008

Poster

Lauermann, I. ; Mönig, H. ; Grimm, A. ; Johnson, B. ; Kropp, T. ; Kaufmann, C.; Lux-Steiner, M. Ch.; Fischer, Ch.-H.Gorgoi, M.; Schäfers, F.; Braun, W.

Depth profiling of elemental gradients in the chalcopyrite near-surface by high-energy photoelectron spectroscopy and angle-resolved x-ray emission spectroscopy

The E-MRS 2008 Spring Meeting

Straßburg 26. May - 30. May 2008

Poster

Mönig, H.; Caballero, R.; Kaufmann, C.A.; Grimm, A.; Johnson, B.; Kropp, T.; Lux-Steiner, M. Ch.; Fischer, Ch.-H.; Lauermann, I.

Non-destructive depth profiling of preparation-induced gradients in Cu(Ga,In)Se₂ by angle dependent x-ray emission spectroscopy

International Conference of Ternary and Multinary Compounds, ICTMC-16

Berlin 15. Sep - 19. Sep 2008

Invited Talk

Nürnberg, R.; Allsop, N.; Klaer, J.; Wünsch, F.; Wanderka, N.; Bertram, F.; Christen, J.; Lux-Steiner, M. Ch.; Schedel-Niedrig, Th.

Point contacts in passivation layers for an enhanced performance of thin film solar cell based on wider-band gap chalcopyrites

Quantsol 2008 Winter Workshop

Bad Gastein, Austria 03. Mar - 08. Mar 2008

Invited Talk

Sadewasser, S.

Investigación e industria fotovoltaica en Alemania

II. Simposio Internacional en Fuentes Alternativas de Energía y Calidad Energética - IEEE 2008

Barranquilla, Colombia 12. Mar - 14. Mar 2008

SE2.Chemistry

Invited Talk

*Fischer, C.-H.***Buffer layer deposition by spray techniques**

Athlet general assembly

Zürich/CH 11. Jan - 12. Jan 2008

Invited Talk

*Sáez-Araoz, R.***High performance thin film Cu-chalcopyrite PV-devices with a Zn(S,O) buffer layer**

23rd EU-PVSEC, September 2008, Valencia, Spain

Valencia, Spain 01. Sep - 05. Sep 2008

SE2.Concepts

Oral

Belaidi, A.; Kieven, D.; Tornow, J.; Katerski, A.; Schwarzburg, K.; Dittrich, Th.; Krunks, M.; Lux Steiner, M. Ch
ZnO-nanorod arrays for solar cells with ultra thin In₂S₃ and CuInS₂

17 th International Conference on Photochemical Conversion and Storage of Solar Energy

Sydney, Australia 27. Jul - 01. Aug 2008

SE2.Contacts

Poster

*Kaigawa, R.; Morimoto, A.; Hunahashi, K.; Hujie, R.; Wada, T.; Klenk, R.***Preparation of Wide gap Cu(In,Ga)S₂ films on ZnO coated substrates**

EMRS Spring Meeting

Strasbourg, France 26. May - 30. May 2008

SE2.Integration

Oral

*Greiner, D.; Papathanasiou, N.; Pflug, A.; Ruske, F.; Klenk, R.***Influence of damp heat on the optical and electrical properties of Al-doped zinc oxide (ZAO)**

EMRS Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Oral

*Köble, C.; Greiner, D.; Klaer, J.; Klenk, R.; Meeder, A., Ruske, F.***DC reactive sputtering of aluminium doped zinc oxide films for solar modules controlled by target voltage**

2nd International Symposium on Transparent Conductive Oxides

Kreta - Griechenland 22. Oct - 26. Oct 2008

SE2.Others

Invited Talk

*Lux-Steiner, M.Ch.***Neue Entwicklungen bei der Dünnschicht-Photovoltaik**

Lasersminar der ETH Zürich, Schweiz

ETH Zürich, Schweiz 15. Dec - 15. Dec 2008

Poster

Mainz, R.; Streicher, F.; Abou-Ras, D.; Sadewasser, S.; Klenk, R.; Lux-Steiner, M. Ch.

Combined analysis of spatially resolved electronic structure and composition on a cross-section of a thin film Cu(In_{1-x}Ga_x)S₂ solar cell

ICTMC-16

Berlin 15. Sep - 19. Sep 2008

Oral

Schmid, M.; Krc, J.; Klenk, R.; Lux-Steiner, M.-Ch.; Topic, M.

Optical optimization of a thin-film wide-bandgap CuGaSe₂ solar cell for tandem applications

MRS Fall Meeting

Boston 01. Dec - 05. Dec 2008

SE2.Semico

Poster

Kaigawa, R.; Morimoto, A.; Funahashi, K.; Wada, T.; Merdes, S.; Klenk, R.

Cu(In,Ga)S₂ films prepared by two-stage evaporation on ZnO coated substrates

ICTMC-16, Berlin

Berlin, Germany 15. Sep - 19. Sep 2008

Poster

Kaigawa, R.; Uesugi, T.; Yoshida, T.; Klenk, R.

Instantaneous preparation of CuInSe₂ films in a non-vacuum process using spot welding

EMRS Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Invited Talk

Klenk, R.

Chalcopyrite-based solar modules

Critical materials issues in photovoltaics: summer school jointly organised by the graduate school MAINZ/MACTOR and CECAM

Lausanne, Switzerland 31. May - 01. Jun 2008

Invited Talk

Klenk, R.

Material Properties and Design of Chalcopyrite-Based Solar Cells and Modules

CECAM Workshop: Critical materials issues in photovoltaics: searching for solutions via theory and simulations

Lausanne 02. Jun - 04. Jun 2008

Poster

Merdes, S.; Kaigawa, R.; Klaer, J.; Klenk, R.; Mainz, R.; Meeder, A.; Papathanasiou, N.

Increased open circuit voltage in Cu(In,Ga)S₂ based solar cells prepared by rapid thermal processing of metal precursors

23rd European Photovoltaic Solar Energy Conf.

Valencia, Spain 01. Sep - 05. Sep 2008

SE3.Baseline

Oral

Kaufmann, C.A.; Caballero, R.; Unold, T.; Mönig H.; Hesse, R.; Klenk, R.; Schock, H.-W.

Low temperature growth of Cu(In,Ga)Se₂

23rd European Photovoltaic Solar Energy Conference and Exhibition

Valencia, Spanien 01. Sep - 05. Sep 2008

SE4.Cells

Invited Talk

*Kieven, D; Dittrich, T; Belaidi, A; Tornow, J; Schwarzburg, K; Allsop, N; Lux-Steiner, M***Charge separation and recombination in photovoltaic cells based on ZnO-nanorod arrays**

E-MRS 2008 Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Poster

*Schwarzburg, K; Belaidi, A; Kieven, D; Tornow, J; Dittrich, T***ZnO-nanorod solar cells with ultra thin In₂S₃ and CuInS₂ absorbers**

23rd European Photovoltaic Solar Energy Conversion Conference and Exhibition

Valencia, Spain 01. Sep - 05. Sep 2008

SF8.Structures

Poster

*Doka, S.; Rusu, M.; Koteski, V.; Hofstetter, J.; Arushanov, E.; Mahnke, H.-E.; Schedel-Niedrig, Th.; M. Ch. Lux-Steiner, M.Ch.***Local Atomic Structure of Germanium Impurities in Wide-band Gap CuGaSe₂ Chalcopyrite**

EMRS Spring 2008, Symposium L: Thin film chalcogenide photovoltaic materials,

Strasbourg 26. May - 30. May 2008

SE3 - Technology

SE2.Analytics

Oral

*F. Streicher, S. Sadewasser, T. Enzenhofer, H.-W. Schock, M.Ch. Lux-Steiner***Locally resolved surface photo voltage spectroscopy on Zn-doped CuInS₂ polycrystalline thin films**

European Materials Research Society (EMRS) spring meeting

Strasbourg, France 26. May - 30. May 2008

Poster

*Grimm, A.; Klaer, J.; Klenk, R.; Lauermann, I.; Neisser, A.; Meeder, A.; Voigt, St.***An alternative window layer concept for chalcopyrite-based thin film solar cells**

2nd International Symposium on Transparent Conductive Oxides

Crete, Greece 22. Oct - 26. Oct 2008

Invited Talk

*H. Mönig, F. Streicher, R. Caballero, M. Ch. Lux-Steiner and S. Sadewasser***Scanning tunneling spectroscopy on the chalcopyrite solar cell absorber material Cu(In,Ga)Se₂**

International Conference on Nanoscience + Technology (ICN+T)

Keystone, CO, USA 20. Jul - 25. Jul 2008

Poster

*Lauermann, I. ; Mönig, H. ; Grimm, A. ; Johnson, B. ; Kropp, T. ; Kaufmann, C.; Lux-Steiner, M. Ch.; Fischer, Ch.-H.Gorgoi, M.; Schäfers, F.; Braun, W.***Depth profiling of elemental gradients in the chalcopyrite near-surface by high-energy photoelectron spectroscopy and angle-resolved x-ray emission spectroscopy**

The E-MRS 2008 Spring Meeting

Straßburg 26. May - 30. May 2008

Poster

Mönig, H.; Caballero, R.; Kaufmann, C.A.; Grimm, A.; Johnson, B.; Kropp, T.; Lux-Steiner, M. Ch.; Fischer, Ch.-H.; Lauermaun, I.

Non-destructive depth profiling of preparation-induced gradients in Cu(Ga,In)Se₂ by angle dependent x-ray emission spectroscopy

International Conference of Ternary and Multinary Compounds, ICTMC-16
Berlin 15. Sep - 19. Sep 2008

Invited Talk

Nürnberg, R.; Allsop, N.; Klaer, J.; Wunsch, F.; Wanderka, N.; Bertram, F.; Christen, J.; Lux-Steiner, M. Ch.; Schedel-Niedrig, Th.

Point contacts in passivation layers for an enhanced performance of thin film solar cell based on wider-band gap chalcopyrites

Quantsol 2008 Winter Workshop
Bad Gastein, Austria 03. Mar - 08. Mar 2008

SE2.Integration

Oral

Köble, C.; Greiner, D.; Klaer, J.; Klenk, R.; Meeder, A., Ruske, F.

DC reactive sputtering of aluminium doped zinc oxide films for solar modules controlled by target voltage

2nd International Symposium on Transparent Conductive Oxides
Kreta - Griechenland 22. Oct - 26. Oct 2008

SE2.Others

Poster

Mainz, R.; Streicher, F.; Abou-Ras, D.; Sadewasser, S.; Klenk, R.; Lux-Steiner, M. Ch.

Combined analysis of spatially resolved electronic structure and composition on a cross-section of a thin film Cu(In_{1-x}Ga_x)S₂ solar cell

ICTMC-16
Berlin 15. Sep - 19. Sep 2008

SE2.Semico

Poster

Merdes, S.; Kaigawa, R.; Klaer, J.; Klenk, R.; Mainz, R.; Meeder, A.; Papathanasiou, N.

Increased open circuit voltage in Cu(In,Ga)S₂ based solar cells prepared by rapid thermal processing of metal precursors

23rd European Photovoltaic Solar Energy Conf.
Valencia, Spain 01. Sep - 05. Sep 2008

SE3.Baseline

Oral

Kaufmann, C.A.; Caballero, R.; Unold, T.; Mönig H.; Hesse, R.; Klenk, R.; Schock, H.-W.

Low temperature growth of Cu(In,Ga)Se₂

23rd European Photovoltaic Solar Energy Conference and Exhibition
Valencia, Spanien 01. Sep - 05. Sep 2008

Oral

R. Caballero,  C.A. Kaufmann, T. Eisenbarth, M. Cancela, R. Hesse, T. Unold, A. Eicke, R. Klenk, H.W. Schock

The Influence of Na on low Temperature growth of CIG thin films solar cells on polyimide.

E-MRS Spring Meeting 2008
Strasbourg 26. May - 30. May 2008

Oral

Raquel Caballero, Christian Kaufmann, Tobias Eisenbarth, Thomas Unold, Susan Schorr, Raik Hesse, Reiner Klenk and Hans-Werner Schock

The effect of NaF precursors on low temperature growth of CIGS thin film solar cells on polyimide substrates

16th International Conference on Ternary and Multinary Compounds
Berlin 15. Sep - 19. Sep 2008

Invited Talk

Schock, H.-W.

State of the Art Thin Film Compounds

1st EPIA International Thin Film Conference, European Photovoltaic Industry Association
München 13. Nov - 13. Nov 2008

Invited Talk

Schock, H.-W.

Highly Efficient Thin Layer Solar Cells

WAC World Academy of Ceramics - Forum 2008, "Ceramic Materials in Energy Systems for a sustainable development"
Chianciano Terme, Italy 05. Jul - 08. Jul 2008

Invited Talk

Schock, H.-W.

Overview on status and perspectives of CIGS thin film solar cells

Journées Annuelles de la Société Française de Métallurgie et de Matériaux, Paris
Paris 04. Jun - 06. Jun 2008

Invited Talk

Schock, H.-W.

Second Generation : Thin - Film Technologies , Research Focus in Germany

German-French Symposium on Solar Energy Technologies for Power Production, dena Deutsche Energie-Agentur
Berlin 08. Dec - 08. Dec 2008

Invited Talk

Schock, H.-W.

Overview on status and perspectives of CIGS thin film solar cells

JA 2008
Paris 04. Jun - 05. Jun 2008

Invited Talk

Schock, H.-W.

Highly Efficient Thin-Layer Solar Cells

Forum 2008 World Academy of Ceramics
Chianciano Terme, Italy 06. Jul - 08. Jul 2008

Invited Talk

Schock, H.-W.

CIS - Solarzellen - Vom Labor zur Produktion

1. Nano und Material Symposium Niedersachsen
Braunschweig 17. Nov - 18. Nov 2008

SE3.Control

Oral

Abou-Ras, D.; Bundesmann, J.; Nichterwitz, M.; Schmidt, S.; Unold, T.; Schock, H.-W.

Electron microscopy studies at heterojunctions and grain boundaries in chalcopyrite-type thin film solar cells

Modelling and Characterisation of Interfaces, Institute of Physics
London, UK 27. Jun - 27. Jun 2008

Poster

Abou-Ras, D.; Contreras, M.A.; Noufi, R.; Schock, H.-W.

Impact of the Se evaporation rate on the microstructure and texture of Cu(In,Ga)Se₂ thin films for solar cells

E-MRS 2008 Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Oral

Abou-Ras, D.; Jahn, U.; Bundesmann, J.; Caballero, R.; Kaufmann, C.A.; Klaer, J.; Nichterwitz, M.; Unold, T.; Schock, H.-W.

Scanning electron microscopy techniques for cross-sectional analyses of thin-film solar cells

14th European Microscopy Congress

Aachen, Germany 01. Sep - 05. Sep 2008

Poster

Abou-Ras, D.; Kaufmann, C.A.; Schöpke, A.; Schorr, S.; Stephan, C.; Eicke, A.; Döbeli, M.; Gade, B.; Nunney, T.; Hoffmann, V.; Klemm, D.; Efimova, V.; Bergmaier, A.; Dollinger, G.

Elemental distribution profiles across Cu(In,Ga)Se₂ solar-cell absorbers acquired by various techniques

14th European Microscopy Congress

Aachen, Germany 01. Sep - 05. Sep 2008

Poster

Abou-Ras, D.; Kaufmann, C.A.; Schöpke, A.; Schorr, S.; Stephan, C.; Eicke, A.; Döbeli, M.; Gade, B.; Nunney, T.; Hoffmann, V.; Klemm, D.; Efimova, V.; Bergmaier, A.; Dollinger, G.

Comparison of elemental distribution profiles across Cu(In,Ga)Se₂ solar-cell absorbers acquired by various techniques

Microscopy&Microanalysis 2008

Albuquerque, New Mexico, U.S.A. 03. Aug - 07. Aug 2008

Oral

Abou-Ras, D.; Koch, C.T.; Küstner, V.; van Aken, P.A.; Jahn, U.; Contreras, M.A.; Caballero, R.; Kaufmann, C.A.; Scheer, R.; Unold, T.; Schock, H.-W.

Grain-boundary types in chalcopyrite-type thin films and their correlations with film texture and electrical properties

E-MRS 2008 Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Oral

Abou-Ras, D.; Pantleon, K.

Impact of twinning on the crystallographic texture of chalcopyrite-type thin films for solar cells

EBSD Meeting, Royal Microscopy Society

Sheffield, United Kingdom 31. Mar - 01. Apr 2008

Poster

Nichterwitz, M.; Abou-Ras, D.; Bundesmann, J.; Scheer, R.; Schock, H.W.

Correlation of grain structure and electrical properties of Cu(In,Ga)Se₂ thin-film solar cells

DPG-Frühjahrstagung des Arbeitskreises Festkörperphysik

Berlin 25. Feb - 29. Feb 2008

Poster

Nichterwitz, M.; Abou-Ras, D.; Bundesmann, J.; Scheer, R.; Unold, T.; Schock, H.W.

Influence of grain boundaries on current collection in Cu(In,Ga)Se₂ thin-film solar cells

EMRS Spring Meeting

Straßburg 26. May - 30. May 2008

Poster

Volubujeva, O.; Abou-Ras, D.; Grossberg, M.; Raudoja, J.; Mellikov, E.; Traksmaa, R.

SELENIZATION OF CO-SPUTTERED CU-IN ALLOY FILMS

33rd IEEE Photovoltaic Specialists Conference

San Diego, U.S.A. 12. May - 16. May 2008

SE3.Others

Poster

*Schubert, B.-A.; Kötschau, I.M.; Cinque, S.; Schock, H.-W.; Meran, G.***An Economic Approach to Evaluate the Range of Coverage of Indium and its Impact on Indium Based Thin-Film Solar Cells - Recent Results of Cu₂ZnSnS₄ (CZTS) Based Solar Cells**

23rd European Photovoltaic Solar Energy Conference and Exhibition

Valencia, Spain 01. Sep - 05. Sep 2008

Poster

*T. Eisenbarth, T. Unold, R. Caballero, C.A. Kaufmann and H.-W. Schock***ORIGIN OF DEFECTS IN CuIn_{1-x}Ga_xSe₂ SOLAR CELLS WITH VARIED Ga CONTENT**

E-MRS Spring Meeting 2008 Strasbourg

Strasbourg 26. May - 30. May 2008

Poster

*T. Eisenbarth, T. Unold, C.A. Kaufmann, R. Caballero, D. Abou-Ras, H.-W. Schock***Composition Dependence of Defects in CuIn_{1-x}Ga_xSe₂ Solar Cells**

DPG-Frühjahrstagung

Berlin 25. Feb - 29. Feb 2008

SE5.Energetics

Oral

*Tomm, Y.; Fiechter, S.; Schorr, S.***Melt growth of chalcopyrite crystals**

Deutsche Kristallzüchtungstagung 2008

München 05. Mar - 07. Mar 2008

Invited Talk

*Tomm, Y.; Fiechter, S.; Schorr, S.***Kristallzüchtung von Chalkopyriten**

DGKK Arbeitskreis Massive Verbindungshalbleiter

Erlangen 09. Oct - 10. Oct 2008

Oral

*Tomm, Y.; Fiechter, S.; Schorr, S.***Novel photovoltaic materials: multinary Adamantine phases derived from ternary chalcopyrites**

The 4th Asian Conference on Crystal growth and Crystal technology

Sendai, Japan 21. May - 24. May 2008

SE4 - Dynamics of Interfacial Reactions
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SE2.Concepts

Oral

*Belaidi, A.; Kieven, D.; Tornow, J.; Katerski, A.; Schwarzburg, K.; Dittrich, Th.; Krunks, M.; Lux Steiner, M. Ch***ZnO-nanorod arrays for solar cells with ultra thin In₂S₃ and CuInS₂**

17 th International Conference on Photochemical Conversion and Storage of Solar Energy

Sydney, Australia 27. Jul - 01. Aug 2008

SE4.Cells

Invited Talk

*Kieven, D.; Dittrich, T.; Belaidi, A.; Tornow, J.; Schwarzburg, K.; Allsop, N.; Lux-Steiner, M***Charge separation and recombination in photovoltaic cells based on ZnO-nanorod arrays**

E-MRS 2008 Spring Meeting

Strasbourg, France 26. May - 30. May 2008

Oral

Döscher, H.; Seidel, U.; Hannappel, T.

Investigation of crucial interfaces for III-V multi-junction solar cells

72. Jahrestagung der DPG und DPG Frühjahrstagung des Arbeitskreises Festkörperphysik mit anderen Fachverbänden und den Arbeitskreisen der DPG

Berlin 25. Feb - 29. Feb 2008

Poster

Döscher, H.; Seidel, U.; Hannappel, T.

Interface investigations for III-V solar cells

72. Jahrestagung der DPG und DPG Frühjahrstagung des Arbeitskreises Festkörperphysik mit anderen Fachverbänden und den Arbeitskreisen der DPG

Berlin 25. Feb - 29. Feb 2008

Oral

Döscher, H.; Kunert, B.; Volz, K.; Stolz, W.; Hannappel, T.

In-situ RAS Charakterisierung von MOCVD-präparierten GaP(100)-Oberflächen

23. DGKK Workshop

Braunschweig 04. Dec - 05. Dec 2008

Invited Talk

Dr. Thomas Hannappel

High-efficiency III-V multijunction solar cells: Basic concepts and critical issues

NANOMAT 2008

Ankara, Turkey, 24.04.2008

Invited Talk

Dr. Thomas Hannappel

Nanotechnologien: Technische Potenziale und ökologische Risiken

Schwerte 31. May - 31. May 2008

Oral

Hannappel, T.; Sagol, B.E.; Seidel, U.; Szabo N.; Schwarzburg, K.; Bauhuis, G.J.; Mulder, P.

Measurement of an InGaAsP/InGaAs tandem solar cell under GaAs

33rd IEEE Photovoltaic Specialists Conference

San Diego-USA 11. May - 16. May 2008

Oral

Henning Döscher and Thomas Hannappel

Analysis of GaP(100) surfaces with in-situ RDS to control the MOVPE-preparation of homo- and hetero-epitaxial films

14th International Conference of Metalorganic Vapor Phase Epitaxy

Metz, France 01. Jun - 06. Jun 2008

Oral

P. Kleinschmidt, A. Dobrich, H. Döscher, S. Brückner, C. Höhn, T. Hannappel

Wasserstoffbindungen an MOCVD-präpariertem Silizium für III-V-Epitaxie

23. Workshop der Deutschen Gesellschaft für Kristallwachstum und Kristallzüchtung (DGKK) über

Braunschweig 04. Dec - 05. Dec 2008

Poster

Sagol, B.E.; Seidel, U.; Szabo, N.; Höhn, C.; Döscher, H.; Schwarzburg, K.; Hannappel, T.; Bauhuis, G.J.; Mulder, P.

Performance of InGaAsP/InGaAs tandem solar cells under GaAs

23rd European Photovoltaic Solar Energy Conference

Valencia-Spain 01. Sep - 05. Sep 2008

Poster

Schwarzburg, K.; Belaidi, A.; Kieven, D.; Tornow, J.; Dittrich, T

ZnO-nanorod solar cells with ultra thin In₂S₃ and CuInS₂ absorbers

23rd European Photovoltaic Solar Energy Conversion Conference and Exhibition

Valencia, Spain 01. Sep - 05. Sep 2008

Oral

T. Hannappel, B.E. Sagol, U. Seidel, N. Szabó, K. Schwarzburg

Utilizing InGaAs and InGaAsP absorbers in a tandem solar cell

IEEE Photovoltaic Specialists Conference

San Diego 11. May - 16. May 2008

Oral

U. Seidel, H. Döscher, N. Szabo, B.E. Sagol, B. Kunert, K. Volz, W. Stolz, K. Schwarzburg, T. Hannappel

"Reflection difference spectroscopy for the improvement of interfaces of a III-V multijunction solar cell"

European Society for Quantum Solar Energy Conversion workshop

Bad Gastein, Austria 02. Mar - 07. Mar 2008

SE4.Dynamics

Oral

Bartelt, A.; Szarko, J.; Neubauer, A.; Schwarzburg, K.; and Eichberger, R.

Ultrafast spectroscopy of charge carrier dynamics at the interfaces of organic absorbers bound to nanostructured ZnO and TiO₂ electrodes

Quantsol 2008 Winter workshop

Bad Gastein, Salzburg, Österreich 02. Mar - 07. Mar 2008

Invited Talk

Bartelt, A.; Szarko, J.; Neubauer, A.; Schwarzburg, K.; and Eichberger, R.

CHARGE CARRIER DYNAMICS IN ORGANIC ABSORBERS BOUND TO NANOSTRUCTURED ZNO AND TiO₂

IC4N-2008 - International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems

Halkidiki, Griechenland 16. Jun - 18. Jun 2008

Invited Talk

J. Szarko, A. Neubauer, L. Socaciu-Siebert, A. Bartelt, F. Birkner, K. Schwarzburg, R. Eichberger

Electron Injection Dynamics of Perylene Derivatives into ZnO and TiO₂ Particle Films

Indian Institute of Science

Bangalore, India 09. Dec - 09. Dec 2008

Oral

J. Szarko, A. Neubauer, L. Socaciu-Siebert, A. Bartelt, F. Birkner, K. Schwarzburg, R. Eichberger

Electron Injection Dynamics of Perylene Derivatives into ZnO and TiO₂ Particle Films

Ultrafast Phenomena Conference

Stresa, Italy 09. Jun - 13. Jun 2008

Oral

Jodi Szarko, Antje Neubauer, Liana Socaciu-Siebert, Andreas Bartelt, Frank Birkner, Klaus Schwarzburg, Thomas Hannappel, and Rainer Eichberger

Femtosecond spectroscopy of photo-induced processes

European Society for Quantum Solar Energy Conversion

Bad Gastein, Austria 02. Mar - 07. Mar 2008

Oral

Jodi Szarko, Liana Socaciu-Siebert, Antje Neubauer, Thomas Hannappel, Rainer Eichberger

Electron relaxation dynamics at the In-rich (100) surface of InP

SPIE Photonics West

San Jose, CA, USA 19. Jan - 27. Jan 2008

SE4.Others

Poster

*Dhiman, S.B.; Janata, E.***Early stages after the reduction of silver ions in aqueous solution: Evidence for equilibria?**

Trombay Symposium on Radiation & Photochemistry TSRP 2008

Pune, Indien 07. Jan - 11. Jan 2008

Invited Talk

*Janata, E.***Early stages in the reduction or oxidation of silver ions in aqueous solution**

Trombay Symposium on Radiation & Photochemistry (TSRP) 2008

Pune, Indien 07. Jan - 11. Jan 2008

Invited Talk

*Janata, E.***Radical reactions with some aliphatic alcohols and isobutene. A pulse radiolysis study**

Pune University Workshop on Radiation & Photochemistry PUWORP-2008

Pune, Indien 11. Jan - 12. Jan 2008

Poster

*Kulkarni, M.S.; Janata, E.***Radiation chemical oxidation of Ag⁺**

Trombay Symposium on Radiation & Photochemistry TRSP 2008

Pune, Indien 07. Jan - 11. Jan 2008

SE5 - Solar Energy

BENSC.User

Oral

*Grzanna, J.; Lewerenz, H. J.***Model for Current Oscillations at the Si/Electrolyte Contact: Extension to Spatial Resolution**

Prime Pacific Rim Meeting on Electrochemical and Solid-State Science

Honolulu 12. Oct - 17. Oct 2008

FMD

Oral

*Grzanna, J.; Lewerenz, H. J.***Stress-induced 1-dimensional model for current oscillations at the Si/electrolyte contact**

Porous Semiconductors Science and Technology

Sa Coma, Spanien 10. Mar - 14. Mar 2008

SE5.Energetics

Oral

*Bogdanoff, P.***Platin-freie Katalysatoren für die Kathode in PEM-FC: Stand der Forschung am Hahn-Meitner-Institut Berlin**

6. Riesaer Brennstoffzellen Workshop

Riesar 26. Feb - 26. Feb 2008

Oral

Brunken, S.; Mientus, R.; Ellmer, K.

A Two-Step Process for the Preparation of Photoactive Tungsten Disulfide Layers: A Real-Time, in situ X-Ray Diffraction Study

14th International Conference on Thin Films & Reactive Sputter Deposition

Ghent, Belgium 17. Nov - 20. Nov 2008

Oral

Brunken, S.; Mientus, R.; Ellmer, K.

Schnelle metallsulfid-induzierte Kristallisation von hochtexturierten, photoaktiven Wolframdisulfid-Schichten

XIV. Erfahrungsaustausch

Mühlleithen, Erzgebirge 04. Mar - 06. Mar 2008

Oral

Brunken, S.; Mientus, R.; Ellmer, K.

In-situ energy-dispersive X-ray diffraction of metal sulfide assisted crystallization of strongly (001) textured photoactive tungsten disulfide thin films

7th International Conference on Coatings on Glass and Plastics

Eindhoven, The Netherlands 15. Jun - 19. Jun 2008

Oral

Brunken, S.; Mientus, R.; Ellmer, K.

Rapid nickel-sulphide-induced crystallization of textured tungsten disulfide films: An in situ real-time diffraction study

HASYLAB-Nutzertreffen, Hamburg

Hamburg 25. Jan - 25. Jan 2009

Oral

Brunken, S.; Mientus, R.; Ellmer, K.

In situ EDXRD of metal-sulfide assisted crystallization of strongly (001)-textured photoactive WS₂ films

23rd European Photovoltaic Solar Energy Conference and Exhibition

Valencia, Spain 01. Sep - 05. Sep 2008

Oral

Brunken, S.; Ellmer, K.

Rapid metal-sulphide-induced crystallization of highly textured tungsten disulphide thin films

DPG-Tagung, Festkörperphysik, Fachverband

Berlin 25. Feb - 29. Feb 2008

Oral

Ellmer, K.

n-leitende TCO-Schichten für Dünnschichtsolarzellen - eine Übersicht

OTTI-Fachtagung

Neu-Ulm, Germany 01. Oct - 02. Oct 2008

Oral

Ellmer, K.

Electrical Transport Properties of Zinc Oxide: Room for Improvements?

2nd Int. Symposium on Transparent Conductive Oxides

Chersonissos, Crete, Greece 22. Oct - 26. Oct 2008

Oral

Ellmer, K.

Carrier Transport in Homo- and Heteroepitaxial Zinc Oxide Layers

MRS Fall Meeting, Symposium B

Boston, USA 01. Dec - 05. Dec 2008

Invited Talk

Ellmer, K.

Moderne Dünnschichtsolarzellen: Herausforderung für hocheffiziente und großflächige Schichtabscheideverfahren

Eingeladener Vortrag an der Universität Greifswald "Greifswalder Physikalisches Kolloquium?"
Greifswald 12. Jun - 12. Jun 2008

Oral

Ellmer, K.

Electrical Transport in Zinc Oxide Based Transparent Window Layers

E-MRS Fall Meeting, Symposium B
Warsaw, Poland 15. Sep - 19. Sep 2008

Oral

Ellmer, K.

Plasmaunterstützte Schichtabscheidung für Dünnschichtsolarzellen: Prinzipien und Anwendungen

XV. Erfahrungsaustausch
Mühlleithen, Erzgebirge 04. Mar - 06. Mar 2008

Invited Talk

Fiechter, S.; Bogdanoff, P.; Koslowski, U.; Zehl, G.; Dorbandt, I.; Herrmann, I.

Energy Conversion in Fuel Cells: Structure-Activity-Relationship of Pt-free Electrocatalysts

Materials Science and Engineering Congress and Exhibition on Advanced Materials and Processes 08
Nürnberg 01. Sep - 04. Sep 2008

Poster

Friedrich, D.; Martinez Moreno, E.; Junghähnel, M.; Engel, N.; Wunsch, F.; Tributsch, H.; Kunst, M.

Charge carrier transport in the bulk and at the surface of nanoparticles

XVII International Materials Research Congress
Cancun, Mexiko 17. Aug - 21. Aug 2008

Poster

Friedrich, D.; Martinez Moreno, E.; Wunsch, F.; Tributsch, H.; Kunst, M.

The microwave/(photo)electrochemical characterization of silicon nitride films on silicon

XVII International Materials Research Congress
Cancun, Mexiko 17. Aug - 21. Aug 2008

Oral

I. Dorbandt, G. Zehl, P. Bogdanoff, K. Wippermann, S. Haas, A. Hoell, M. Wollgarten, S. Fiechter

Preparation strategies and structural characterization of selenium modified ruthenium nano-particles as cathode catalyst for PEM fuel cells.

213th ECS Meeting, Phoenix (AZ) 2008
Phoenix 18. May - 22. May 2008

Oral

I. Herrmann, U. Koslowski, C. Barkschat, S. Fiechter, P. Bogdanoff, N. Iwata, H. Takahashi, H. Nishikori

Preparation and structure-analysis of heat treated Co- and Fe-porphyrines as cathode catalysts for H₂-PEM-FCs

213th ECS Phoenix, Phoenix (AZ) 2008
Phoenix 18. May - 22. May 2008

Invited Talk

Kunst, M.

Amorphous silicon/crystalline silicon Heterojunctions in photovoltaics

MSE Nuernberg
nuernberg 01. Sep - 04. Sep 2008

Oral

Kunst, M.;

Characterization of semiconductors and semiconductor devices for photovoltaics in the microwave frequency range

10emes Journees de caracterization Microondes et Materiaux

Limoges (Frankreich) 02. Apr - 04. Apr 2008

Oral

N. Iwata, H. Takahashi, H. Nishikoori, I. Herrmann, U. Koslowski, C. Barkschat, S. Fiechter, P. Bogdanoff

Evaluation and Analysis of PEM-FC Performance using Non-Platinum Cathode Catalysts based on Pyrolysed Fe- and Co-Porphyrins

213th ECS Meeting, Phoenix (AZ), 2008

Phoenix 18. Mar - 22. Mar 2008

Oral

Seeger, S.; Ellmer, K.

Präparation von CuInS₂-Schichten durch reaktives Magnetronspütern: Einfluß der Teilchenenergie auf Morphologie und elektrische und optische Eigenschaften

XV. Erfahrungsaustausch

Mühlleithen, Erzgebirge 02. Mar - 06. Mar 2008

Oral

Seeger, S.; Ellmer, K.

Reactive Magnetron Sputtering of CuInS₂ Absorbers for Thin Film Solar Cells: Problems and Prospects

7th International Conference on Coatings on Glass and Plastics

Eindhoven, The Netherlands 15. Jun - 19. Jun 2008

Oral

Seeger, S.; Ellmer, K.

Preparation of CuInS₂ chalcopyrite films by reactive magnetron sputtering: Influence of the Particle Energy on morphological, electrical and optical properties

DPG-Jahrestagung, Festkörperphysik

Berlin 25. Feb - 29. Feb 2008

Oral

Seeger, S.; Grötzschel, R.; Ellmer, K.

Reactive Magnetron Sputtering of Sulfides for Thin Film Solar Cells

14. International Conference on Thin Films and Reactive Sputtering Deposition 2008

Ghent/Belgium 17. Nov - 20. Nov 2008

Oral

Seeger, S.; Grötzschel, R.; Ellmer, K.

Reactive Magnetron Sputtering of CuInS₂ Absorbers for Thin Film Photovoltaics: Relation Between Deposition Parameters and Film Morphology

23rd European Photovoltaic Solar Energy Conference and Exhibition

Valencia, Spain 01. Sep - 05. Sep 2008

Oral

Seeger, S.; Grötzschel, R.; Ellmer, K.

Reactive Magnetron Sputtering of Sulfides for Thin Film Solar Cells

14th International Conference on Thin Films & Reactive Sputter Deposition

Ghent, Belgium 17. Nov - 20. Nov 2008

Oral

Tomm, Y.; Fiechter, S.; Schorr, S.

Melt growth of chalcopyrite crystals

Deutsche Kristallzüchtungstagung 2008

München 05. Mar - 07. Mar 2008

Invited Talk

Tomm, Y.; Fiechter, S.; Schorr, S.

Kristallzüchtung von Chalkopyriten

DGKK Arbeitskreis Massive Verbindungshalbleiter

Erlangen 09. Oct - 10. Oct 2008

Oral

Tomm, Y.; Fiechter, S.; Schorr, S.

Novel photovoltaic materials: multinary Adamantine phases derived from ternary chalcopyrites

The 4th Asian Conference on Crystal growth and Crystal technology

Sendai, Japan 21. May - 24. May 2008

Poster

Zehl, G.; Dorbandt, I.; Bogdanoff, P.; Fiechter, S.

Selenium-modified ruthenium-nanoparticles as a highly selective electrocatalyst for the oxygen reduction in DMFCs

F-Cell, 8. Internationales Forum für Produzenten und Anwender

Stuttgart, Germany 28. Sep - 29. Sep 2008

Poster

Zehl, G.; Dorbandt, I.; Kramm, U.; Zizak, I.; Herrmann, I.; Bogdanoff, P.; Fiechter, S.

On the development of electrocatalysts for fuel cells: Study of phase formation and particle growth by in-situ X-Ray Analysis during thermal catalyst activation

BESSY User's Meeting 2008

Berlin, Germany 04. Dec - 05. Dec 2008

Poster

Zehl, G.; Dorbandt, I.; Schmithals, G.; Bogdanoff, P.; Fiechter, S.

In-situ XAFS investigation probing Se-modified Ru/C-electrocatalyst for fuel cells under oxygen reduction conditions

HASYLAB user's meeting 2008

Hamburg, Germany 25. Jan - 25. Jan 2008

SE5.Interfaces

Poster

Fiechter, S.; Tomm, Y.; Kanis, M.; Scherr, R.; Kautek, W.

On the homogeneity region, growth modes and optoelectronic properties of chalcopyrite - type CuInS_2

ICTMC - 16

Berlin 15. Sep - 19. Sep 2008

Oral

Heine, C.; Munoz, A.

Optimization Strategies for Photocatalytic Nanoemitter Cells

NanoDieB Seminar

Cottbus 01. Dec - 01. Dec 2008

Poster

Kanis, M.; Stempel, T.; Skorupska, K.; Aggour, M.; Lewerenz, H.J.

Efficient Photoelectrochemical Solar Cell with Noble Metal Nanoemitter

17. International Conference on Photochemical Conversion and Storage of Solar Energy

Sydney, Australien 27. Jul - 01. Aug 2008

Oral

Klemm, H.; Lublow, M.; Lewerenz, H.J.

Scanning tunneling microscopy/spectroscopy of Platinum - Nanoparticles on Silicon

NanoDieB Seminar

Cottbus 01. Dec - 01. Dec 2008

Invited Talk

Kolb, D. M.; Lewerenz, H. J.

In-situ and ex-situ Scanning Probe Microscopies on Electrochemically Modified Semiconductor Surfaces

Workshop on ALD Layers

Burg, 18. Dec - 18. Dec 2008

Invited Talk

Lewerenz, H. J.

Nanoemitter Solar Cells: Operation in the Photoelectrochemical and Catalytic Mode

International Conference on Materials Science and Engineering

Nürnberg 02. Sep - 02. Sep 2008

Invited Talk

Lewerenz, H. J.

Interface Design for Enhanced Photoelectrocatalytic Functioning

Workshop on ALD Layers

Burg 18. Dec - 18. Dec 2008

Invited Talk

Lewerenz, H. J.

The Collaborating Research Group: Options in Catalysis Research

CRG Meeting-Workshop

Culmitz 12. Jul - 12. Jul 2008

Invited Talk

Lewerenz, H. J.

Model experiments on Electrodeposition for Solar Device Characterization and Optimization

CRG Meeting Bischofsmühle

Bischofsmühle 11. Jan - 11. Jan 2008

Invited Talk

Lewerenz, H. J.; Skorupska, K.; Stempel, T.; Aggour, M.; Munoz, A. G.

Efficient Solar Cell Structure Prepared by Electrodeposition into Oscillation-Induced Nanoporous Silicon Oxide

214th Meeting of The Electrochemical Society, Honolulu, Hawaii, USA

Honolulu-USA 15. Oct - 15. Oct 2008

Oral

Lublow, M.; Lewerenz, H. J.

Fractal Pattern Formation on Silicon Photoelectrodes: Scaling Effects and Stress Analysis

4th Gerischer Symposium

Berlin 25. Jun - 27. Jun 2008

Oral

Lublow, M.; Lewerenz, H. J.

Photoelectrochemical Formation and Shaping of Silicon Nanostructures Controlled by in-situ Brewster-angle Reflectometry

Tagung der Deutschen Physikalischen Gesellschaft (DPG)

Berlin 25. Feb - 29. Feb 2008

Oral

Lublow, M.; Lewerenz, H. J.

Photoelectron spectroscopy on heterogenous nanostructures on Silicon photoelectrodes

CRG Meeting Culmitz

Culmitz 11. Jul - 13. Jul 2008

Invited Talk

Lublow, M.; Lewerenz, H. J.

Selective etching of residual suboxides on Si(111): combined AFM and SRPES analysis

CRG Meeting Culmitz

Culmitz 11. Jul - 13. Jul 2008

Invited Talk

Lublow, M.; Lewerenz, H. J.

Brewster-Winkel-Analyse horizontaler und vertikaler Nanostrukturen auf Silicium

Nano-Seminar der Internationalen Graduiertenschule BTU Cottbus

14. Jan - 14. Jan 2008

Oral

Resch, M.; Kanis, M.; Ellmer, K.

Reactively Sputtered Zinc Oxide Based Transparent Window Layers for CuInS₂ Thin Film Solar Cells

14. International Conference on Thin Films & Reactive Sputter Deposition

Ghent 17. Nov - 20. Nov 2008

Oral

Skorupska, K.; Munõz, A.; Lublow, M.; Lewerenz H.J.

Planned measurements at Bessy II for the year 2008

Cooperating Research Group (CRG) Meeting Bischofsmühle, Germany

11. Jan - 13. Jan 2008

Oral

Stempel Pereira, T.; Aggour, M.; Skorupska, K.; Munoz, A.; Lublow, M.; Kanis, M.; Lewerenz, H.J.

Investigation of the Silicon-Oxide-Platinum interface for photoelectrochemical solar cells

72. Jahrestagung der DPG und DPG Frühjahrstagung des Arbeitskreises Festkörperphysik

Berlin, 25. Feb - 29. Feb 2008

Poster

Stempel, T.; Skorupska, K.; Lewerenz, H.J.

Noble Metal Based Silicon Nanoemitter Solar Cell

24. EU PVSEC

Valencia 21. Sep - 24. Sep 2008

SE6.Interfaces

Oral

Lublow, M.; Lewerenz, H. J.

Silicon nanostructures for photocatalytic and photovoltaic application by chronoamperometric conditioning

214th ECS PRiME Meeting

Honolulu, USA 12. Oct - 17. Oct 2008

SF3.Microstructure

Poster

Wollgarten, M.; Grothausmann, R.; Bogdanoff, P.; Zehl, G.; Dorbandt, I.; Fiechter, S.; Banhart, J.

Ruthenium deposition CO₂-treated and untreated carbon black investigation by electron tomography

14th European Microscopy Congress

Aachen, Germany 01. Sep - 05. Sep 2008

SE6 - Electronic Structure of Semiconductor Interfaces**SE6.BESSY**

Oral

*Hoffmann, P.; Pettenkofer C.***Chemical Nature of N Incorporated in ZnO During Epitaxial Film Growth**

CRG Workshop 2008 Culmitz

Culmitz, Germany 11. Jul - 13. Jul 2008

Oral

*Hoffmann, P.; Pettenkofer C.***Movement of the Exit Slit at U49/2 - PGM2**

CRG Workshop Culmitz 2008

Culmitz, Germany 11. Jul - 13. Jul 2008

Oral

*Hoffmann, P.; Pettenkofer, C.***Chemical Nature of N Incorporated into ZnO During Epitaxial Film Growth**

DPG Spring Meeting 2008

Berlin, Germany 25. Feb - 29. Feb 2008

Poster

*Hoffmann, P.; Pettenkofer, C.***XPS and NEXAFS Studies of Nitrogen Incorporated into ZnO During Epitaxial Film Growth**

2nd International Symposium on Transparent Conductive Oxides

Hersonissos, Crete, Greece 22. Oct - 26. Oct 2008

Oral

*Hoffmann, P.; Pettenkofer, C.***Incorporation of Nitrogen into ZnO**

CRG-Workshop Culmitz 2007

Culmitz, Germany 06. Jul - 08. Jul 2008

Oral

*Lehmann, C., Pettenkofer Ch.***First Measurements with the Delay Line Detector**

CRG Klausurtagung 2008

Culmitz 11. Jul - 13. Jul 2008

Oral

*Lehmann, C.; Andres, S.; Pettenkofer, C.***Epitaxial Growth of ZnO on CuInS₂(112)**

2nd International Symposium on Transparent Conductive Oxides

Hersonissos 22. Oct - 26. Oct 2008

Oral

*Lehmann, C.; Eyert, V.; Pettenkofer***Morphology and electronic structure of epitaxially grown CuInS₂ films**

DPG Frühjahrstagung 2008

Berlin 25. Feb - 29. Feb 2008

Oral

*Lehmann, C.; Eyert, V.; Pettenkofer, C.***Morphology and electronic structure of CuInS₂ epi-layers**

CRG-Klausurtagung 2008/1

Bischofsmühle 11. Jan - 13. Jan 2008

Oral

Pettenkofer, C.

The Quest for ZnO (1120)Surface States - an ARPES Study

TCO 2008

hersonissos 22. Oct - 26. Oct 2008

Oral

Pettenkofer, C.

The Quest for surface states in ZnO (11-20) surfaces

DPG Frühjahrstagung

Berlin 25. Feb - 29. Feb 2008

Invited Talk

Pettenkofer, C.

XPEEM an Si pn-Übergängen

CRG-Treffen Culmitz

Culmitz 11. Jul - 13. Jul 2008

Invited Talk

Pettenkofer, C.

Space charge regions and lateral inhomogenities in PEEM

CRG-Meeting 7. 2008 Culmitz

Culmitz 11. Jul - 13. Jul 2008

Oral

Pettenkofer, C., Andres, S., Eyert, V

The Quest for ZnO (1120)Surface States - an ARPES Study

DPG Frühjahrstagung Berlin

Berlin 25. Feb - 29. Feb 2008

Invited Lectures

SF - Structural Research

SF - BENSC

BENSC.User

Steiner

Das Hahn-Meitner-Institut heute und morgen - Mission und Vision

Eingeladener Vortrag an der Physikalisch-Technischen Bundesanstalt (PTB), Braunschweig
Braunschweig, 21.02.2008

SF1.BENSC

Schneider, R.

Industrial Use of Neutrons

CIAE Seminar
Beijing/China, 28.05.2008

Schneider, R.

Tomography Techniques Using Different Probes: Neutrons and Photons

Seminar CIAE
Beijing/China, 28.05.2008

Schneider, R.

Route to Commercial Use of MSM Actuators: Noval Crystal Growth and Treatment

China Institute of Physics, Beijing, China
Beijing/China, 08.06.2008

Schneider, R.

Investigation of Short-Range Magnetic/Structural Order by Diffuse Neutron Scattering

CIAE Seminar
CIAE, Beijing, China, 28.05.2008

Schneider, R.

Residual Stress Analysis Using Neutrons

Seminar CIAE
CIAE, Beijing, China, 28.05.2008

Schneider, R.

Neutron Instrumentation for Residual Stress Analysis: Monochromators

CIAE Seminar
Beijing/China, 28.05.2008

Schneider, R.

Neutrons and Photons: A Unique Tool for the Engineer

China Institute of High Energy Physics
Beijing/China, 06.06.2008

Schneider, R.

Residual Stress And Texture Analysis at the Research Reactors BER-II and FRM-II

PTB Seminar
PTB Berlin, 26.09.2008

Wimpory, R.C.

Around the Weld in a few minutes

NUM Seminar PSI
PSI, Switzerland, 19.03.2008

SF2.BENSC*Hauß, T.*

Untersuchungen zur Struktur und Dynamik von biologischen Membranen mittels Neutronenstreuung.
Kolloquium des Clemens-Schöpf-Institut
Darmstadt, 07.04.2008

PT*Denker, A.*

Heilung aus dem Teilchenbeschleuniger - Augentumorthherapie mit Protonen
Kolloquium am Bundesamt für Strahlenschutz
Berlin, 16.06.2008

SF1 - Methods and Instruments**SF1.Methods***Pappas, C.*

How much Larmor Precession affords Chirality
Neutronenseminar
TU München, 17.11.2008

SF1.Others*Chmielus, M.*

Influence of Surface Preparation and Training on the Properties of Magnetic Shape-Memory Alloys
Seminar Talk of the Materials Science & Engineering Department of Boise State University
Boise, Idaho, USA, 21.10.2008

SF2 - Magnetism**SF2.Thin films***Holub-Krappe, E.*

Spin Reorientation in Thin Magnetic Films: Correlation of Magnetism and Structure
Graduate School of Science, Chiba University, Japan
Chiba, Japan, 04.09.2008

Holub-Krappe, E.

Spin Reorientation in Thin Magnetic Films: Correlation of Magnetism and Structure
Keio University, Science and Technology, Surface Chemistry Laboratory
Keio, Japan, 05.09.2008

SF3 - Materials**SF3.Scattering***Hoell, A.*

Anomalous Small Angle X-Ray Scattering: The new instrument at BESSY and some applications in material science
Raja Ramanna Centre for Advanced Technology (RRCAT)
Indore, Indien, 09.01.2008

Hoell, A.

Anomalous Small Angle X-Ray Scattering and some applications in material science

Bhabha Atomic Research Centre (BARC)

Mumbai, India, 11.01.2008

Hoell, A.

Anomalous Small Angle X-Ray Scattering and some applications in material science

Material Science Division

Kalpakkam, Indien, 07.01.2008

Tatchev, D.

Small-Angle Scattering and Anomalous Small-Angle X-ray Scattering in Materials Science

University of Aberystwyth

Aberystwyth, Wales, 07.02.2008

SF3.Tomo

Manke, I.

Bildgebende Verfahren in der Brennstoffzellen-Forschung

Materialwissenschaftliches Kolloquium an der Universität Darmstadt

Darmstadt, Germany, 21.01.2008

SF6 - Trace Elements

SF6.Analysis

Kühbacher, M.

Von der Bestimmung der Elementverteilung in großen und kleinen Gehirnen - Chemical imaging with neutrons and photons

Wissenschaftliches Kolloquium des Museums für Naturkunde der Humboldt-Universität zu Berlin

Berlin, 03.06.2008

Kühbacher, M.

Chemical imaging of complex biomatter with photons of different energy

Forschungszentrum Karlsruhe, Synchrotron Light Source ANKA - Seminar

Karlsruhe, 13.06.2008

SF8 – Structure and Dynamics

SF8.Dynamics

Mahnke, H.-E.

Ion-beam induced nano-sized Ag-metal clusters in glass

Seminar at the Centre de Recherche et de Restauration des Musées de France, Palais du Louvre, Paris,

2.4.2008

Paris, 02.04.2008

SFN1 - Magnetism and Superconductivity of Quantum Materials

SF.N1

Pieper, O.

Magnetic structure and spin dynamics of the quasi one-dimensional, frustrated antiferromagnet CaV₂O₄

HU Berlin Seminar: Magnetism and electronic correlations,
Berlin, 02.07.2008

SE - Solar Energy Research

SE1 - Silicon Photovoltaics

SE1.Cells

Lips, K.

New approaches in EPR spectroscopy to study old problems in amorphous and microcrystalline silicon

Colloquium of the National Renewable Energy Laboratory (NREL)
Golden, Colorado, USA, 28.08.2008

Lips, K.

Spins in Silizium-Solarzellen

Seminarvortrag RWTH Aachen
Aachen, 25.01.2008

Nickel, N. H.

Properties of hydrogen in polycrystalline silicon

Seminarvortrag Q-Cells
Thalheim, 26.02.2008

Rech, B.

Grundlagenforschung und Industrie. Kann die PV-Forschung in Berlin den Anforderungen der Unternehmen gerecht werden?

Forschungspolitischen Dialog „Potenziale und Perspektiven der Energietechnik in Berlin/Brandenburg“ der Technologiestiftung Berlin
Berlin, 02.10.2008

Rech, B.

Dünnschichtphotovoltaik - Perspektiven und Herausforderungen

Festkolloquium anlässlich des 20jährigen Erscheinens der Zeitschrift „Vakuum in Forschung und Praxis“
Berlin, 16.05.2008

Rech, B.

Dünnschichtphotovoltaik - neue Technologien für kostengünstige Solarzellen

Berliner Industriegespräch der DPG
Magnus-Haus Berlin, 05.03.2008

Rech, B.

Herausforderungen und Perspektiven einer neuen Technologien

Fakultätstag der Fakultät IV der TU Berlin
Berlin, 01.02.2008

Rech, B.

Solarzellen aus dünnen Siliziumschichten: Stand der Technik und neue Konzepte

Institutskolloquium an der TUB, Institut für Optik und Atomare Physik
Berlin, 09.12.2008

Rech, B.

Solarzellen an dünnen Siliziumschichten - Stand der Technik und Herausforderungen für die Zukunft

Institutskolloquium am Weierstrass Institute for Applied Analysis and Stochastics (WIAS)
Berlin, 24.11.2008

Rech, B.

Grundlagenforschung und Industrie. Kann die PV-Forschung in Berlin den Anforderungen der Unternehmen gerecht werden?

Forschungspolitischer Dialog - Veranstaltungsreihe der Technologiestiftung Berlin mit der Senatsverwaltung für Bildung, Wissenschaft und Forschung
Berlin, 10.07.2008

Schnegg A.

Determination of Large Zero Field Splittings in Transition Metal Ion Complexes: a Fourier Transform THz-EPR study

Kolloquium zur Physik der kondensierten Materie (WS 08/09) Universität Freiburg
Freiburg, 18.12.2008

Schnegg, A.

Spin dependent charge transport processes in semiconductor and organic solar cells: a pulsed electrically detected magnetic resonance study

Kolloquiumsvortrag, Universität Freiburg
Freiburg, Deutschland, 17.12.2008

Schnegg, A.

FT THz EPR on transition metal ion complexes

EPR Seminar
Boston, USA, 13.05.2008

SE1.Hetero

Angermann, H.

Electronic properties of silicon interfaces: Effect of surface morphology and wet-chemical pre-treatment

Seminar SolarZentrum
CiS Institut für Mikrosensorik Erfurt , 22.08.2008

Korte, L.

The amorphous-crystalline silicon interface - key for high efficiency silicon heterojunction solar cells

Instituts-Kolloquium des Weierstraß-Instituts Berlin
Weierstraß-Institut Berlin, 24.11.2008

Korte, L.

Electronic states in amorphous/crystalline silicon heterojunctions

Institutskolloquium der Uni Oldenburg
Oldenburg, 13.05.2008

Rappich, J.

Electrochemical functionalisation of Si surfaces by organic molecules: In-situ investigation of electronic and structural properties

Seminarvortrag an der Universität von Salerno
Salerno/Italien 22. Oct - 28. Oct 2008

Stangl, R..

Entwicklung / Charakterisierung / Simulation von a-Si:H/c-Si Heterosolarzellen am HMI

Kolloquium am Fraunhofer Institut Solare Energiesysteme (ISE), Freiburg
Freiburg, 18.04.2008

SE1.Others

Schnegg, A.

Determination of Large Zero Field Splittings by Fourier Transform THz EPR

Tallahassee, USA, 19.05.2008

SE2 - Heterogeneous Material Systems

SE2.Analytcs

Lux-Steiner, M. Ch.

Solarzellen mit integriertem Speicher

Jahresveranstaltung zum Doktorandenprogramm Hans L. Merkle Stiftung (HLMS)
Stuttgart, Germany, 14.02.2008

Sadewasser, S.

Kelvin probe force microscopy on semiconductors

University of Illinois, Urbana Champaign (USA), 01.08.2008

Sadewasser, S.

Kelvin probe force microscopy on semiconductors

EMPA, Zürich (Switzerland), 16.05.2008

Sadewasser, S.

Surface potential of chalcopyrite thin films measured by Kelvin probe force microscopy

National Renewable Energy Laboratory, Golden, USA, 31.07.2008

Sadewasser, S.

Kelvin probe force microscopy on semiconductors

Czech Academy of Sciences
Prag, Czech Republic, 15.05.2008

SE2.Chemistry

Fischer, C.-H.

ILGAR - a versatile and robust deposition method for metal oxide and sulfide thin films - not only for solar cell applications

Forschungszentrum Jülich Institut für Bio- und Nanosysteme Institutsvortrag
Jülich, 08.12.2008

SE2.Others

Lux-Steiner, M. Ch.

Introduction to the 2nd General Assembly of the Integrated Project ATHLET

ATHLET General Assembly
Zurich, Switzerland, 10.01.2008

Lux-Steiner, M.Ch.

Photovoltaic Research (HGF-Vortrag, Brüssel)

Helmholtz Association of German Research Centres (HGF):
Brussels, Belgium, 05.11.2008

SE2.Semico

Klenk, R.

Material Properties and Design of Chalcopyrite-Based Solar Cells and Modules

Universität Jena, Kolloquium Festkörperphysik
Jena, 21.11.2008

Lux-Steiner, M. Ch.

Progress in inorganic thin film photovoltaics

A.Mickiewicz University
Poznan, Poland, 29.02.2008

Lux-Steiner, M. Ch.

Die Photovoltaik-Kompetenzen in Berlin-Brandenburg

Bosch meets Adlershof

WISTA-Management GmbH, Berlin, Germany, 12.08.2008

SE3 - Technology

SE3.Control

Abou-Ras, D.

Electron microscopy analyses of chalcopyrite-type thin film solar cells

Seminarvortrag an der Tallinn University of Technology

Tallinn, Estland, 22.09.2008

SE4 - Dynamics of Interfacial Reactions

SE4.Cells

Dr. Thomas Hannappel

Helmholtz-Zentren Kollegs und Graduiertenschulen für Doktoranden

Sankt Andreasberg, 14.07.2008

Dr. Thomas Hannappel

"MOCVD-präparierte III-V-Solarzellen III-V-Halbleiter auf Silizium"

Universität Göttingen

Göttingen, 19.06.2008

Sagol, B.E.

III-V Grubu Günes Pilleri (in turkish language Group III-V Solar Cells)

The Chamber of Electrical Engineers, Mersin-Turkey, 04.01.2008

Sagol, B.E.

Basic Concepts and Interfacial Aspects of High-Efficiency III-V Multijunction Solar Cells

Sabancı University - Faculty of Engineering and Natural Sciences, Istanbul-Turkey, 02.01.2008

SE4.Others

Janata, E.

Growth of small silver particles in aqueous solution. Pulse radiolysis experiments at the ELBENA facility.

Seminare LCP

Orsay, Frankreich, 15.12.2008

Janata, E.

Pulse Radiolysis: Method, Instrumentation and Applications

physikalisch-chemisches Kolloquium

TU Graz, Institut für Physikalische und Theoretische Chemie, 23.04.2008

SE5 - Solar Energy

FMD

Grzanna, J.; Lewerenz H. J.

"Model for current oscillations at the Si/electrolyte contact: microscopic and macroscopic description"

Nano DieB: Materialien für zukünftige Si-Nano-Technologien, Seminar der Class A der Cottbus Graduate School

BTU Cottbus, 19.05.2008

SE5.Energetics

Ellmer, K.

Nonreactive and Reactive Magnetron Sputtering of Layers for Thin Film Solar Cells

Firma Applied Quantum Technology

Santa Clara, California, USA 10. Dec - 10. Dec 2008

Ellmer, K.

Nonreactive and Reactive Magnetron Sputtering of Layers for Thin Film Solar Cells

National Renewable Energy Laboratory (NREL)

Golden, Colorado, USA 09. Dec - 09. Dec 2008

Fiechter, S.

Nanostrukturen zur Erzeugung solarer Brennstoffe - Photoelektrokatalyse im Bereich Solarenergie des HZB

Wasserstoff-Kolloquium

Berlin 03. Jul - 03. Jul 2008

Invited Talk

Kunst, M.

(Opto)electrical characterization of semiconductors and semiconductor junctions

Universität Cottbus Lehrveranstaltung

Cottbus 10. Nov - 10. Nov 2008

SE5.Interfaces

Herr Prof. Dr. H.-J. Lewerenz

Advances in Solar Energy Conversion Processes and Nanoemitter Solar Cells

Seminar Nanoscale Dielectric Barriers

Cottbus, 28.01.2008

Lewerenz, H. J.

Photocurrent Oscillations at Silicon Electrodes: Experimental Findings and Conclusions

Seminar Nanoscale dielectric barriers

Cottbus, 19.05.2008

Lewerenz, H. J.

Storageable Solar Energy: The Photoelectrocatalytic Mode

MSE Seminar Series, North Carolina State University

Raleigh-USA, 24.10.2008

Lewerenz, H. J.

Nanoscience Aspects in Solar Energy Conversion

Colloquium, Georgia State University,

Atlanta-USA, 08.10.2008

Lewerenz, H. J.

Enzyme-Semiconductor Interactions: Fundamental Aspects and Routes to Photoactive Devices

Distinguished Seminar Series, Fitzpatrick Institute for Nanophotonics
Durham-USA, 28.10.2008

Lublow, M.

Optical real-time control of silicon nanotopography formation for photocatalytic and photovoltaic applications

Seminarvortrag, Micro Nano Devices & Systems Laboratory, University of Texas at Dallas
Richardson, USA 20. Oct - 20. Oct 2008

Lublow, M.

Optical real-time control of silicon nanotopography formation for photocatalytic and photovoltaic applications

Complex Matter and Biophysics Seminar, North Carolina State University
Raleigh, USA 04. Nov - 04. Nov 2008

Lublow, M.

Silicon Micro- and Nanotopographies for Photocatalytic and Photovoltaic Applications - Engineering and Modeling Aspects Self-organized

Seminar, National Renewable Energy Laboratory (NREL)
Golden, USA 08. Oct - 08. Oct 2008

Skorupska, K.

High resolution imaging of enzymes on step bunched Silicon

Nano DieB:
BTU Cottbus Germany, 21.01.2008

Stempel Pereira, T.

Elektrochemisch induzierte Nanostrukturen zur Solarenergieumwandlung

AG Prof. Thomsen, Seminar
Berlin 04. Feb - 04. Feb 2008

SE6 - Electronic Structure of Semiconductor Interfaces

SE6.BESSY

Pettenkofer, C.

Surface and Junction Properties of various ZnO interfaces

Special Physics Seminar Portland State University
Portland, 10.04.2008

Patents and Patent Application

Patents

Dep.	HGF-Programme	Inventor	Title	Date of filing	Date of grant
SE1	Energy	Kunst, M.; Lips, K.; Schmidt, M.; Schneider, J.; Stangl, R.; Wünsch, F.	Verfahren zur Herstellung einer einseitig kontaktierten Solarzelle und einseitig kontaktierte Solarzelle DE: 102005025125	29.05.05	08.05.08
SE2	Energy	Dinse, K.-P.; Harneit, W.; Mertesacker, B.; Waiblinger, M.; Weidinger, A.	Verfahren und Anordnung zur Verarbeitung von quantenmechanischen Informationseinheiten DE: 1334466	16.11.01	23.04.08
SE2	Energy	Chen, J.; Könenkamp, R.	Vertikale Transistoranordnung mit einem flexiblen, aus Kunststofffolien bestehenden Substrat JP: 4102755	27.08.02	28.03.08
SE2	Energy	Fuertes Marrón, D.; Lux-Steiner, M.C.; Meeder, A.; Schedel-Niedrig, T.; Würz, R.	Schichtanordnung aus heteroverbundenen Halbleiterschichten mit zumindest einer zwischengelagerten Trennschicht CH: 1556901 DE: 1556901 ES: 1556901 FR: 1556901 GR: 1556901	09.10.03	28.05.08
SE2	Energy	Chen, J.; Könenkamp, R.	Vertical Nanotransistor, Method for Producing the same and Memory Assembly DE: 1656702 EP: 1656702 FR: 1656702 GB: 1656702	16.08.04	03.09.08
SE3	Energy	Pietzker, C.; Scheer, R.	Verfahren zur Herstellung einer Chalkogenid-Halbleiterschicht des Typs ABC ₂ mit optischer Prozesskontrolle DE: 1380050 EP: 1380050 ES: 1380050 FR: 1380050 GB: 1380050 GR: 1380050 IT: 1380050 PT: 1380050	04.04.02	01.10.08
SE3	Energy	Luck, I.; Rudigier-Voigt, E.; Scheer, R.	Zerstörungsfreies Analyseverfahren zur Güteermittlung einer Solarzelle auf Chalkopyritbasis DE: 10248504	13.10.02	10.01.08

Dep.	HGF-Programme	Inventor	Title	Date of filing	Date of grant
SE5	Energy	Küppers, U.; Rojas-Chapana, J.; Tributsch, H.	Transparentes Versiegelungsmaterial für lichtbestrahlte, photoelektronisch aktive Oberflächen DE: 1482563 EP: 1482563	18.05.04	28.05.08
SE5	Energy	Abdallah, O.; Citarella, G.; Kunst, M.; Wünsch, F.	Heterocontact Solar Cell with Inverted Geometry of its Layer Structure NA: 20070025	11.04.06	20.02.08
SE5	Energy	Ellmer, K.; Unold, T.	Reaktives Magnetron-Sputtern zur großflächigen Abscheidung von Chalkopyrit-Absorberschichten für Dünnschichtsolarzellen DE: 102006057068	29.11.06	15.05.08
SE5, SF8	Energy	Fink, D.; Küppers, U.; Rojas-Chapana, J.; Tributsch, H.	Flexible, atmungsaktive Polymerfolie DE: 10301984	15.01.03	03.07.08
SF1	Structure of matter	Mezei, F.; Russina, M.	Neutronenoptisches Bauelementanordnung zur gezielten spektralen Gestaltung von Neutronenstrahlen oder -pulsen DE: 10203591	23.01.02	18.09.08
SF6	Structure of matter	Behne, D.; Kyriakopoulos, A.; Pfeifer, H.	Neue Form des PHGPx-Proteins als diagnostischer Marker bei männlicher Infertilität DE: 10107186	15.02.01	05.06.08

Patent applications

Dep.	HGF-Programme	Inventor	Title	Date of filing
SE1	Energy	Berghold, J.; Berginski, M.; Gall, S.; Hüpkes, J.; Lee, K.; Muske, M.; Rech, B.	T-stabiles ZnO WO: PCT/DE2008/000876	23.05.08
SE1	Energy	Lips, K.; Stangl, R.	Einseitig kontaktierte Dünnschicht-Solarzelle, Verfahren zur Herstellung und serienverschaltetes Dünnschicht-Solarmodul DE: 102008035327.2 DE: 102008060404.6-33	01.12.08
SE1	Energy	Stangl, R.	Nadelkontaktierung DE: 102008051521.3-33	13.10.08 Prior application
SE2	Energy	Lux-Steiner, M.C.; Rusu, M.	Organische Solarzelle WO: PCT/DE2008/000373 DE: 102008012417.6	29.02.08
SE2	Energy	Fuertes Marrón, D.; Guenther, E.; Lux-Steiner, M.C.; Parisi, J.; Weiler, R.; Zrenner, E.	Implantierbares System zur Anregung von Neuronen WO: PCT/EP2008/003141	18.04.08
SE2	Energy	Belaidi, A.; Dittrich, T.; Lux-Steiner, M.C.	Verfahren zum nasschemischen Ätzen von TiO ₂ -Dünnschichten und TiO ₂ -Partikeln sowie Ätzmittel WO: PCT/DE2008/000875	23.05.08
SE2	Energy	Aichele, C.; Chen, J.; Lux-Steiner, M.C.	Array aus vertikalen UV-Leuchtemitterdioden und Verfahren zu seiner Herstellung WO: PCT/DE2008/001108	02.07.08
SE2	Energy	Fostropoulos, K.; Johnev, B.	Passivierungsschicht für eine transparente leitfähige Oxidschicht in einem Bauelement mit organischer aktiver Schicht WO: PCT/DE2008/001314	08.08.08
SE2	Energy	Aé, L.; Chen, J.; Lux-Steiner, M.C.	Elektrodepositionsverfahren zur Herstellung von nanostrukturiertem ZnO DE: 102008010287.3-45	21.02.08 Prior application
SE2	Energy	Allsop, N.; Fischer, C.-H.; Gledhill, S.; Lux-Steiner, M.C.	Chemisches Dampfabscheide-Verfahren unter Atmosphärendruck zur Herstellung einer n-halbleitenden Metallsulfid-Dünnschicht DE: 102008017076.3-45	01.04.08 Prior application
SE2	Energy	Allsop, N.; Fischer, C.-H.; Gledhill, S.; Lux-Steiner, M.C.	Verfahren und Anordnung zur Herstellung einer n-halbleitenden Indiumsulfid-Dünnschicht DE: 102008017077.1-43	01.04.08 Prior application
SE2	Energy	Aé, L.; Chen, J.; Fischer, C.-H.; Lux-Steiner, M.C.	Elektrodepositionsverfahren zur Herstellung von nanostrukturiertem ZnO DE: 102008029234.6	19.06.08 Prior application

Dep.	HGF-Programme	Inventor	Title	Date of filing
SE3	Energy	Abou-Ras, D.; Hesse, R.; Schock, H.-W.; Unold, T.	Verfahren zur in-situ-Bestimmung der stofflichen Zusammensetzung von optisch dünnen Schichten, Anordnungen zur Durchführung und .. WO: PCT/DE2008/001130	09.07.08
SE3	Energy	Kötschau, I.; Rodriguez-Alvarez, H.	Vakuum-Druckmessvorrichtung für einen RTP-Vakuumofen DE: 102008024204.7 DE: 102008029028.9-52	18.06.08
SE4	Energy	Chemseddine, A.	Chemische Herstellung von Nanosäulen DE: 102008037177.7-41	09.08.08 Prior application
SE5	Energy	Aggour, M.; Lewerenz, H.-J.; Skorupska, K.	Verfahren zur Herstellung eines photoaktiven Schichtenverbunds, photoaktiver Schichtenverbund und Anwendung DE: 102008004340.0-33	09.01.08 Prior application
SE5	Energy	Bogdanoff, P.; Fiechter, S.; Herrmann, I.; Kramm, U.	METHOD FOR PREPARING FUEL CELL ELECTRODE CATALYST AND SOLID POLYMER FUEL CELL WO: PCT/JP2008/063935	29.07.08 Prior application
SE5	Energy	Brunken, S.; Ellmer, K.; Mientus, R.	Texturiertes Wachstum von Schichtgitterhalbleitern auf Metallschichten DE: 102008051520.5-33	13.10.08 Prior application
SE5	Energy	Henkel, K.; Lewerenz, H.-J.; Müller, K.; Schmeißer, D.	Solarzelle mit elektrostatischen Lokalfeldern im photoaktiven Bereich DE: 102008060179.9-33	30.11.08 Prior application
SE6	Energy	Andres, S.; Lehmann, C.; Pettenkofer, C.	Verfahren zur Herstellung eines eine mindestens ZnO enthaltende Zweifach-Pufferschicht aufweisenden Heterokontaktes und WO: PCT/DE2008/002080	10.12.08
SF1	Structure of matter	Krist, T.	Strahlungsoptisches Bauelement zur Beeinflussung von Strahlung in Bezug auf deren Wellenlängenspektrum DE: 102008052410.7-54	21.10.08 Prior application
SF1	Structure of matter	Krist, T.	Anordnung zur Polarisierung eines Neutronenstrahls mit hoher Divergenz DE: 102008064101.4	19.12.08 Prior application
SF3	Structure of matter	Banhart, J.; Helwig, H.M.; Seeliger, H.-W.	Aluminiumlegierung für Metallschäume, ihre Verwendung und Verfahren zur Herstellung DE: 102008027798.3-24	11.06.08 Prior application
SF8	Structure of matter	Roth, M.; Schiwietz, G.; Staufenbiel, F.	Elektrostatischer Analysator für geladene Teilchen, Spektrometer und Monochromator mit einem solchen Analysator DE: 102008058144.5-54	20.11.08 Prior application

Academic Education

Lectures, Courses, ...

Dep.	Lecturer	Topic	Course	University	Hrs/week
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Summer Term 2008					
SF2	Tennant, A.	Ausgewählte Kapitel der Neutronenstreuung (Magnetismus, Phasenübergänge)	seminar	TU-Berlin	2
SF3	Banhart, J.	Technologie der metallischen Leichtbauwerkstoffe (II) - Modul "Prozesstechnik metallischer Werkstoffe III"	lecture	TU-Berlin	2
SF3	Banhart, J.	Seminar Moderne Werkstoffe: Herstellung und Charakterisierung	seminar	TU-Berlin	2
SF3	Genzel, C.	Einsatz von röntgen- und neutronographischen Verfahren in der Werkstoffanalytik	lecture	TU-Berlin	2
SF3	Manke, I.; Kardjilov, N.	Praktikum Tomographie und Radiographie	lab course	TU-Berlin	3
SF3	Schumacher, G.	Werkstoffe für Hoch- und Ultrahochtemperatur-Anwendungen	seminar	TU-Berlin	2
SF3	Schumacher, G.	Werkstoffe für Hoch- und Ultrahochtemperatur-Anwendungen	lecture	TU-Berlin	2
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	lecture	FU-Berlin	1
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	lab course	FU-Berlin	5
SF6	Kyriakopoulos, A.; Behne, D.	Doktorandenseminar: Ausgewählte Gebiete der Spurenelementforschung	seminar	FU-Berlin	1
SF8	Schiwietz, G.	Grundlagen zu den Physikalischen Grundpraktika 2 + 3	lecture	TU-Berlin	2
SFN1	Lake, B.; Siemensmeyer, K.	Neutronen als Sonder zur Untersuchung von Kondensierter Materie	lecture	TU-Berlin	4
SFN1	Lake, B.	29th HMI School on Neutron Scattering	tutorial	HMI Berlin	2
SE1	Nickel, N.H.	Grundlagen der Photovoltaik	lecture	TU-Berlin	2
SE1	Rech, B.	Photovoltaik II	lecture	TU-Berlin	2
SE1	Rech, B.	Photovoltaik II	seminar	TU-Berlin	2
SE2	Dittrich, T.; Hannappel, T.	Einführung und Grenzflächenaspekte der Photovoltaik	lecture	FU-Berlin	2
SE2	Fischer, C.-H.	Quantitative Analyse	lecture	FU-Berlin	2
SE2	Lux-Steiner, M.C.	Lehrseminar A: Erneuerbare Energien	seminar	FU-Berlin	2
SE2	Sadewasser, S.	Fortgeschrittenen Praktikum Teil B (Versuch Solarzellen)	lab course	FU-Berlin	2
SE2	Schedel-Niedrig, T.	Photovoltaik - Solarstrahlung und Halbleitereigenschaften - Solarzellenkonzepte	lecture	TU-Berlin	2

Dep.	Lecturer	Topic	Course	University	Hrs/week
SE3	Schock, H.-W.; Unold, T.; Klaer, J.	Herstellung einer Solarzelle	lab course	TU-Berlin	3
SE3	Schock, H.-W.; Schmidt, S.; Stephan, C.	Photovoltaik II	lecture	TU-Berlin	3
SE4	Hannappel, T.	Einführung und Grenzflächenaspekte der Photovoltaik	tutorial	FU-Berlin	2
SE4	Hannappel, T.	Einführung und Grenzflächenaspekte der Photovoltaik	lecture	FU-Berlin	2
SE5	Lewerenz, H.J.	Elektrochemische Nanotechnologie	lecture	TU-Berlin	2
SE5	Lewerenz, H.J.	Nanoskalige Dielektrische Barrieren	seminar	BTU Cottbus	2
SE5	Lewerenz, H.J.	Grenzflächenuntersuchungen an energieumwandelnden Halbleiterstrukturen	seminar	TU-Berlin	2
SE5	Lewerenz, H.J.	Photovoltaische Solarzellen	lecture	TU-Berlin	2
SE5	Munoz, A.	Solarzellen	lecture	BTU Cottbus	2
SE5	Tributsch, H.	Bionische Forschung: Strategien zur regenerativen Energienutzung	lecture	FU-Berlin	2
SE6	Pettenkofer, C.	Einführung in die Physik2	lecture	TU-Cottbus	4
SE6	Pettenkofer, C.	Einführung in die Physik2	tutorial	TU-Cottbus	2

Winter Term 2008/2009					
SF1	Schneider, R.	Werkstoffanalytik mit Neutronen, Photonen, Elektronen und Ionen	lecture	TFH-Berlin	4
SF3	Banhart, J.; Garcia- Moreno, F.	Technologie der metallischen Leichtbauwerkstoffe (I) - Modul "Prozesstechnik metallischer Werkstoffe III"	lecture	TU-Berlin	4
SF3	Manke, I.; Kardjilov, N.; Hilger, A.	Tomographie und Radiographie	lecture	TU-Berlin	4
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	lecture	FU-Berlin	1
SF6	Kyriakopoulos, A.; Behne, D.	Doktorandenseminar: Ausgewählte Gebiete der Spurenelementforschung	seminar	FU-Berlin	1
SF6	Kyriakopoulos, A.	Biochemie von Spurenelementen	lab course	FU-Berlin	5
SF8	Mahnke, H.-E.; Heyn, M.	Einführung in die Kern- und Teilchenphysik	lecture	FU-Berlin	4
SF8	Schiwietz, G.	Grundlagen zu den Physikalischen Grundpraktika 2 + 3	lecture	TU-Berlin	2
SFN1	Lake, B.; Siemensmeyer, K.	Neutronenstreuung und Dynamik kondensierter Materie	seminar	TU-Berlin	4
SE1	Gall, S.	Photovoltaik - Grundlagen und kristalline Silizium-Solarzellen (PV1)	lecture	TU-Berlin	2
SE1	Nickel, N.	Physik für Chemiker und Lebensmittelchemiker	lecture	TU-Berlin	4
SE2	Dittrich, T.; Hannappel, T.	Einführung und Grenzflächenaspekte der Photovoltaik	lecture	FU-Berlin	2

Dep.	Lecturer	Topic	Course	University	Hrs/week
SE2	Dittrich, T.	Laboratory Practical in Photovoltaics	lab course	TU-Berlin	2
SE2	Dittrich, T.	Basics of Solar Cells	seminar	TU-Berlin	1
SE2	Dittrich, T.	Photovoltaic Workshop (lectures, lab practicals, seminars, excursion)	lecture	Kasetsart University (Thailand)	5
SE2	Dittrich, T.	PV Systems: Solar cells	lecture	TU-Berlin	2
SE3	Schock, H.-W.; Unold, T.; Weber, A.	Herstellung einer Siliziumsolarzelle	lab course	TU-Berlin	3
SE4	Hannappel, T.	Einführung und Grenzflächenaspekte der Photovoltaik	tutorial	FU-Berlin	2
SE4	Hannappel, T.	Einführung und Grenzflächenaspekte der Photovoltaik	lecture	FU-Berlin	2
SE5	Fiechter, S.	Materialien für Solar- und Brennstoffzellen - Präparation u. physikalisch-chemische Charakterisierung	lecture	TU-Berlin	2
SE5	Fiechter, S.	Energy Conversion in Fuel Cells: Structure - Activity Relationship of Pt - free Electrocatalysts	lecture	BTU-Cottbus	2
SE5	Lewerenz, H.J.	Nanoskalige Dielektrische Barrieren	seminar	BTU Cottbus	2
SE5	Lewerenz, H.J.	Grenzflächenuntersuchungen an energieumwandelnden Halbleiterstrukturen	seminar	TU-Berlin	2
SE5	Munoz, A.	Solarzellen	lecture	BTU Cottbus	2
SE6	Pettenkofer, C.	Einführung in die Physik 1	lecture	TU-Cottbus	4
SE6	Pettenkofer, C.	Einführung in die Physik 1	tutorial	TU Cottbus	2

Exams

Dep.	Author	Title	University	Date
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Habilitation				
SF6	Nunes Bordallo, H.	Structure et Dynamique à l'échelle Microscopique des Systèmes Incommensurables, des Oxydes à Magnéto-Résistance Géantes et des Systèmes Biologiques	Universite Montpellier II	03/08

Ph. D.				
SF3	Denks, I.A.	Entwicklung einer Methodik zur Erfassung randschichtnaher Eigenspannungsverteilungen $\epsilon(z)$ in polykristallinen Werkstoffen mittels energiedispersiver Diffraktion	Universtät Kassel	06/08
SF6	Grbavac, I.	Untersuchungen zur Identifizierung und Lokalisierung von Metallo- und Selenoproteinen in der Prostata und Prostata-Zell-Linien	FU-Berlin	08/08
SE1	Ruske, F.	Magnetronspütern von hochleitfähigen ZnO:Al-Schichten für die Photovoltaik	Uni Gießen	10/08
SE1	Weizman, M.	Properties of laser-crystallized polycrystalline SiGe thin films	TU-Berlin	06/08
SE1	Yang, F.	Untersuchungen zu einer neuartigen organischen Emitter-/Si-Heterostruktur-Solarzelle	HU-Berlin	12/08
SE2	Camus, C.	Spray ILGAR Growth and Raman Spectroscopy of CuInS ₂ Thin Films	FU-Berlin	10/08
SE2	Hübener, K.	Molekulare Spintronik mit endohedralen Fullerenen: Anordnung und Spindetektion	FU-Berlin	10/08
SE2	Mainz, R.	In-situ Analyse und Wachstum photovoltaischer Absorber mit Bandlückengradienten	FU-Berlin	07/08

Diploma				
SF3	Kandemir, T.	Untersuchung von Gefügestrukturen in metallischen Werkstoffen	FH Aachen	08/08
SF6	Strasser, A.	Verteilung von Spurenelementen und Spurenelementproteinen im gastrointestinalen Trakt der Ratte	TFH-Berlin	04/08
SE1	Haschke, J.	Technologieentwicklung rückseitenkontaktierte amorph/kristalline Silizium Heterosolarzelle - photolithographische Zelloptimierung	FHTW Berlin	05/08
SE1	Hänel, T.	Spannungs- und intensitätsabhängige spektrale Empfindlichkeit von poly-Si Dünnschicht-Solarzellen	FHTW Berlin	04/08

Dep.	Author	Title	University	Date
SE1	Jakobs, G.	Elektrochemische Abscheidung von ZnO/Polypyrrol-Hybridschichten auf Silizium-Oberflächen	TFH-Berlin	03/08
SE1	Köhler, R.	Einfluss des gesputterten ZnO:AL auf die Eigenschaften der ZnO/a-Si bzw. a-Si/c-Si-Grenzfläche	TU Ilmenau	12/08
SE1	Sánchez Vicens, A.	Solid Phase Crystallization of silicon on ZnO:Al substrate for thin film solar cells	TU-Berlin	11/08
SE1	Warzecha, M.	Strukturelle und optische Charakterisierung von ZnMgO-Schichten	TU-Berlin	08/08
SE1	Weber, T.	Entwicklung eines RTP-Prozessschrittes (rapid thermal processing) zur Optimierung von polykristallinen Silizium-Dünnschichtsolarzellen	FHTW Berlin	04/08
SE2	Afshar, M.	Examina: > Herr Maziar Afshar > Wachstum und Charakterisierung von Multischicht Nanostrukturen aus CuGaSe ₂ und CuInSe ₂	FU-Berlin	12/08
SE2	Aé, L.	n-ZnO/p-CuSCN-Nanodioden als Modellsystem für auf Zinkoxid basierende UV-LEDs	FU-Berlin	12/08
SE2	Bochukov, I.	"Enhancement of Zn-Phthalocyanine/Fullerene- C60 photovoltaic devices through chemical molecular design	University of Chemical Technology and Metallurgy, Sofia, Bul.	12/08
SE2	Herzog, C.	Untersuchung von Ladungstrennung und Ladungstransport in ultradünnen anorganischen Nanokompositschichten	FU-Berlin	11/08
SE2	Kieven, D.	Solarzellen mit extrem dünnen sulfidischem Absorber auf Zinkoxid-Nanorod-Arrays	FU-Berlin	04/08
SE2	Krüger, M.	Industrierelevante Spray-ILGAR-Pufferschichten an Chalkopyrit-Dünnschichtsolarzellen	FHTW	06/08
SE2	Mete, T.	Strukturprofil ultra-dünner Metall-Phthalozyaninfilme	Universität Potsdam (Naturwissenschaftl.-Mathemat. Fakultät)	01/08
SE2	Schindler, W.	Einfluss der ITO-Terminierung und Absorbermorphologie in	Universität Potsdam	12/08
SE3	Kling, P.	Statistische Versuchsplanung im F+E-Umfeld: Stabilität von gesputterten Molybdän-Schichten als Rückkontakt für flexible CIGSe Dünnschichtsolarzellen	TU-Berlin	08/08
SE3	Krauth, H.	Herstellung von Cu ₂ ZnSnS ₄ Dünnschichten für photovoltaische Anwendung	FHTW-Berlin	08/08
SE3	Nichterwitz, M.	Korrelation von Mikrostrukturen und elektrischen Eigenschaften von CuInGaSe ₂ -Absorberschichten in Dünnschichtsolarzellen	FU-Berlin	08/08

Dep.	Author	Title	University	Date
SE3	Suchanek, O.	Homogenitätsuntersuchungen an großflächigen CuInS ₂ -Dünnschichten für die Photovoltaik	FHTW-Berlin	04/08
SE5	Engel, N.	Chemische Modifizierung und Effizienz-Untersuchungen von Farbstoffsolarzellen	FU-Berlin	05/08
SE5	Jaiser, B.	Untersuchung von Proteinen auf vorkonditionierten Halbleiteroberflächen	FU-Berlin	11/08
SE5	Leidel, N.	(Photo)elektrochemische Untersuchungen zur Wasserspaltung an Manganverbindungen	FU-Berlin	07/08
SE5	Stumpf, P.	Untersuchungen tensilen Wassers in nanoporösen Materialien mittels Raman-Spektroskopie	FU-Berlin	07/08

Master Thesis				
SE1	Sixtensson, D.	Ultrathin SiO ₂ layers on Si(111): Preparation, Interface Gap States, Influence of Passivation and Photoelectric Properties	Chalmers University of Technology Göteborg, Sweden	01/08
SE2	Gimpl, G.	Präparation von Puffer- und Fensterschichten für Chalkopyrit-Dünnschicht-Solarzellen mit Industrie-relevanten low-cost Verfahren	TFH-Berlin	10/08
SE2	Lähnemann, J.	Spectrally Resolved Current Loss Mechanisms in Cu(In,Ga)Se ₂ Thin-film Solar Cells	FU-Berlin	12/08
SE3	Baumann, T.	Herstellung metallischer Dünnschichten zur Verwendung als Rückkontakt für flexible Cu(In,Ga)Se ₂ Dünnschicht-Solarzellen auf Polyimid-Folie	TFH-Berlin	10/08

Summer students etc.

The 20th HZB Summer Programme for undergraduate students took place from August 4th to September 26th, 2008. 32 students, including 21 from abroad, joined in actual research projects and participated in a series of seminars informing about the activities of the HZB.

Beyond the Summer Programme, 16 student trainees and 22 high school trainees visited the HZB for individual training projects.

Awards

Dep.	Name	Award
SF3	Manke, I.	Best Poster 2008, Brennstoffzellen-Allianz Baden-Württemberg, 18.11.2008
SE1	Fehr, M.	Poster Award, 4th European EPR Federation Summer School in Advanced Techniques in EPR, St. Andrews, Scotland, 28.08.2008
SE1	Sánchez Vicens, A.	Prize to the best student of the School of industrial engineering, VIII Prizes of the Social Council of the Politechnical University of Valencia, 26.11.2008
SE2	Grimm, A.	Young Scientist Poster Award, 2nd International Symposium on Transparent Conductive Oxides Crete, Greece, 22.10.2008 - 26.10.2008, 24.10.2008
SE3	Eisenbarth, T.	Poster Award, bestes Poster im Symposium L des E-MRS Spring Meeting Strasbourg, Organisation des Symposium L des E-MRS Spring Meeting in Strasbourg, 29.05.2008
SE4	Döscher, H	LayTec - in-situ monitoring award, Lay Tec , 05.06.2008
SE4	Hannappel, T.	LayTec - in-situ monitoring award, Lay Tec, 05.06.2008
SE5	Bogdanoff, P.	Technologie-Transferpreis, HMI, 14.02.2008

Participation in external scientific bodies and committees

Dep.	Name	Committee / Board / Scientific body
SF1	Habicht, K.	ILL College 4 Subcommittee
SF1	Pappas, C.	PNCMI 2008 Program Committee
SF1	Pappas, C.	NIST Nutzer Ausschuss
SF1	Schneider, R.	VDI Arbeitskreis Tomographie, Sprecher
SF1	Schneider, R.	STRAINET
SF1	Schneider, R.	VDI Fachbeirat "Angewandte zerstörungsfreie Werkstoff- u. Bauteilprüfung"
SF1	Strobl, M.	External Evaluation Committee for the Hellenic Quality Assurance Agency for Higher Education (HQAA)
SF2	Hoffmann, J.-U.	NeXus International Advisory Committee
SF2	Holub-Krappe, E.	International Executive XAFS Committee of the Union of Crystallography
SF2	Holub-Krappe, E.	International Advisory Committee „14th Int. Conf. On X-ray Absorption Fine Structure“
SF2	Holub-Krappe, E.	International Advisory Board and Program Committee of the “Workshop on High temporal and spatial resolution of ultrathin magnetic films properties?”
SF2	Holub-Krappe, E.	International Scientific Committee of the Conference “X08: Int. Conf. on X-Ray and Inner-Shell Processes”
SF2	Holub-Krappe, E.	International Scientific Committee, Symposium "R: X-ray Techniques for Advanced Materials, Nanostructures and Thin Films: from Laboratory Sources to Synchrotron Radiation "
SF2	Holub-Krappe, E.	Executive Committee of the International X-Ray Society
SF2	Holub-Krappe, E.	Int. Program committee for the IUCr2008
SF2	Smeibidl, P.	Design Review of Zeemans Project at Spallation Neutron Source (Oak Ridge, Tennessee)
SF2	Tennant, A.	PNCMI2008 International Advisory
SF2	Tennant, A.	Scientific Advisory Committee for the advanced magnets project at ISIS
SF3	Banhart, J.	Arbeitsgemeinschaft Metall- und Materialphysik der DPG
SF3	Banhart, J.	Programme Committee of the International Conference on Aluminium Alloys 11
SF3	Banhart, J.	DGM-Arbeitskreis Tomographie
SF3	Banhart, J.	Organisation DFG-Symposium "Nanoanalytics by means of small-angle scattering of X-rays, neutrons and electrons"
SF3	Garcia-Moreno, F.	AK "Zellulare Metalle" des Fachausschusses "Metallische Verbundwerkstoffe und zellulare Metalle" der DGM
SF3	Garcia-Moreno, F.	DGM-Fachausschuss "Strahllinien für die Werkstoffcharakterisierung"
SF3	Genzel, C.	International Committee of the MECA SENS V Conference (10.-12.11.2009)
SF3	Kardjilov, N.	Consultant's Meeting on Non Destructive and Analytical Techniques using Neutrons
SF3	Kardjilov, N.	Member of Board of Directors of International Society for Neutron Radiology
SF3	Manke, I.	DGM-Fachausschuss "Strahllinien für die Werkstoffcharakterisierung"

Dep.	Name	Committee / Board / Scientific body
SF3	Manke, I.	DGZfP-Fachausschuss Durchstrahlungsprüfung UA Bildverarbeitung in der Durchstrahlungsprüfung UA Computertomographie
SF3	Wanderka, N.	National Committee of RQ13, 13th International Conference on Rapid Quenched & Metastable Materials
SF3	Wanderka, N.	Gast-Editor in "Ultramicroscopy" für Proceedings IFES 2008
SF3	Wanderka, N.	International Steering Committee of Field Emission Society
SF3	Wanderka, N.	National Committee of THERMEC 2009
SF3	Wiedenmann, A.	Scientific council Institut-Laue-Langevin Subcommittee 1, Grenoble, France
SF6	Kyriakopoulos, A.	4th international Conference on Trace Element Speciation in Biomedical, Nutritional and Environmental Sciences
SF8	Mahnke, H.-E.	Komitee für Forschung mit Nuklearen Sonden und Ionenstrahlen (KFSI)
SF8	Mahnke, H.-E.	Wissenschaftliches Komitee zur Vorbereitung einer deutsch-französischen Sommerschule 2009
SF8	Schiwietz, G.	International Committee" der Konferenzserie "International Conference on Atomic Collisions in Solids " (ICACS)
SF8	Schiwietz, G.	"International Scientific Committee" der Konferenzserie "Swift Heavy Ions in Matter " (SHIM)
SFN1	Lake, B.	NIST reactor panel
SE1	Gall, S.	Europäische Photovoltaikkonferenz - 23rd EU PVSEC
SE1	Lips, K.	23th International Conference on Amorphous and Nanocrystalline Semiconductors (ICANS23)
SE1	Lips, K.	European Summer School on Photovoltaics and New Concepts of Quantum Solar Energy Conversion 2008
SE1	Lips, K.	1st International Workshop on the Staebler-Wronski-Effekt
SE1	Rech, B.	Europäische Photovoltaikkonferenz - 23rd EU PVSEC
SE1	Rech, B.	Tagungsbeirat des OTTI-Anwenderforums
SE1	Rech, B.	Prüfungskomitee Uni Leuven
SE1	Rech, B.	Europäische Photovoltaikkonferenz
SE1	Rech, B.	Industrieworkshop "Dünnschichttechnologien in der Si-Photovoltaik"
SE1	Rech, B.	Advisory Board der PV Industry Forum (Intersolar) München, 10.-12.6.08
SE1	Schlatmann, R.	PV Industry Forum, Munic 2008
SE2	Ennaoui, A.	Editorial Board in Solar Energy Materials and Solar Cells
SE2	Ennaoui, A.	Chairman for the Session: Alternative Chalcogenides in the EMRS Spring Meeting 2008
SE2	Fostiropoulos, K.	Advisory Board der IC4N 2008, Halkidiki, Greece
SE2	Lux-Steiner, M.C.	1. Vorsitzende des Vereins Arbeitsgemeinschaft Solare Materialien (ASM)
SE2	Lux-Steiner, M.C.	Wissenschaftlicher Beirat des Forschungszentrums Rossendorf e.V. (FZR)
SE2	Lux-Steiner, M.C.	Eidgenössische Energieforschungskommission CORE in der Schweiz
SE2	Lux-Steiner, M.C.	Vorsitzende des Wissenschaftlichen Beirats des Berliner Instituts für Kristallzüchtung (IKZ) in der Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz
SE2	Lux-Steiner, M.C.	Wissenschaftlicher Beirat der Sulfurcell Solartechnik GmbH

Dep.	Name	Committee / Board / Scientific body
SE2	Lux-Steiner, M.C.	Tagungsband Symposium "Nanotechnologie für eine nachhaltige Energieversorgung", 29.-30.11.2007, Berlin
SE2	Lux-Steiner, M.C.	Scientific Committee and Executive Committee, 23rd European PV Solar Energy Conference
SE2	Lux-Steiner, M.C.	Jury EXIST-Forschungstransfer
SE2	Lux-Steiner, M.C.	Kuratoriumsmitglied des Forschungsverbundes Berlin e.V.
SE2	Lux-Steiner, M.C.	Vorsitz Wissenschaftlicher Beirat des Instituts für Kristallzüchtung
SE2	Lux-Steiner, M.C.	Gruppenvorsitz Sommerakademie St. Johann 2008
SE2	Lux-Steiner, M.C.	Project Coordinator ATHLET
SE2	Lux-Steiner, M.C.	Zwischenevaluation des Forschungsschwerpunktes „Nanostrukturierte Materialien“ der Initiative des Landes Sachsen-Anhalt zur Förderung von Netzwerken wissenschaftlicher Exzellenz
SE2	Lux-Steiner, M.C.	FEE-Innovationspreis 2008
SE2	Sadewasser, S.	Scientific Committee of the 16th International Conference on Ternary and Multinary Compounds (ICTMC), September 15-19, 2008, Technical University Berlin, Germany
SE2	Sadewasser, S.	Organizer "Workshop on Kelvin Probe Force Microscopy (Satellite Meeting to the 11th International Conference on Non-contact Atomic Force Microscopy - NC-AFM)" in Madrid
SE2	Sadewasser, S.	Program committee "11th International Conference on Non-contact Atomic Force Microscopy - NC-AFM" in Madrid
SE2	Sadewasser, S.	Program Committee "Workshop on Kelvin Probe Force Microscopy (Satellite Meeting to the 11th International Conference on Non-Contact Atomic Force Microscopy - NC-AFM)" in Madrid
SE2	Sadewasser, S.	Organizing Committee of the 16th International Conference on Ternary and Multinary Compounds (ICTMC), September 15-19, 2008, Technical University Berlin, Germany
SE2	Schedel-Niedrig, T.	Eurec Agency
SE3	Schock, H.-W.	ICTMC International Conference on Ternary and Multinary Compounds
SE3	Schock, H.-W.	WCPEC World Conference on Photovoltaic Energy Conversion - Organizing Committee
SE3	Schock, H.-W.	E-MRS European Materials Research Society
SE3	Schock, H.-W.	Mitherausgeber der Zeitschrift "Progress in Photovoltaic Research and Application"
SE3	Schock, H.-W.	HGF Programm Erneuerbare Energien, Topic Sprecher PV
SE3	Schock, H.-W.	Programmbeirat Energie FZ Jülich
SE3	Schock, H.-W.	Conference Committee EU-PV SEC European Photovoltaic Solar Energy Conference
SE3	Schock, H.-W.	Research Council of Norway
GF-W	Steiner, M.	DAAD
GF-W	Steiner, M.	Commission on Neutron Scattering of the International Union of Crystallography, USA
GF-W	Steiner, M.	Innovationsrat des Ministeriums für Wirtschaft und Arbeit des Landes Sachsen-Anhalt
GF-W	Steiner, M.	Aufsichtsrat, BESSY GmbH Berlin
GF-W	Steiner, M.	Steering Committee, Institut Laue-Langevin (ILL), Grenoble, France

Dep.	Name	Committee / Board / Scientific body
GF-W	Steiner, M.	Wissenschaftlicher Beirat NSL-CARR (Neutron Scattering Laboratory-China Advanced Research Reactor) on Neutron Science & Technology and Management
PT	Denker, A.	Advisory Committee of the International Conference on Particle Induced X-ray Emission
PT	Denker, A.	Scientific Committee of the European Cyclotron Progress Meeting
PT	Denker, A.	Centre Européen d'Archaeometrie Liège Gutachter- o. Beratungsgremium
PT	Denker, A.	IGAS-Beirat
WTE	Wulf, F.	Conference Committee IEEE NSS/MIC 2008, Dresden, Exhibits Chair

Scientific Conferences and Meetings organized by HZB

Dep.	Title	Type	Date
SF6	European Conference on Metallobiomics	Conference	03.12.08 - 04.12.08
WTE	Studiengruppe für Elektronische Instrumentierung, Frühjahrstagung 2008 Dr. Friedrich Wulf	Conference	07.04.08 - 09.04.08
WTE	Studiengruppe für Elektronische Instrumentierung, Herbsttagung 2008 Dr. Friedrich Wulf	Conference	22.09.08 - 24.09.08

