

10th Workshop on Sample Environment at Scattering Facilities, Berlin/Potsdam, 2-6 September 2018

Scientific Program

Monday				Tuesday				
Time	Session	Title	Name	Time	Session	Title	Name	
09:00	1	OVERVIEW I	OPENING	09:00	1	Software	THE SAMPLE ENVIRONMENT COMMU	
09:20	2		AUSTRALIAN CENTRE FOR NEUTRON S	Gene Davidson, ACNS ANSTO	09:20		2	IBEX - SAMPLE ENVIRONMENT CONTR
09:40	3		INTRODUCTION OF EXHIBITORS	Exhibitors	09:40		3	SECOP LIBRARY AND SECOP LABVIEW
10:00	4				10:00		4	EXPERIENCE WITH THE SAMPLE ENVIR
10:30-11:00		Coffee + Exhibition		10:30-11:00		Coffee + Exhibition		
11:00	1	OVERVIEW II	SAMPLE ENVIRONMENT AT HZB	11:00	5	others	BEST PRACTICES IN DEVELOPMENT AN	
11:20	2		SAMPLE ENVIRONMENT AT OAK RIDG	Gary W. Lynn, ORNL	11:20		1	MULTI-APPLICATION NEUTRON IN-SIT
11:40	3		SANE — SERVICES FOR ADVANCED NE	Eddy Lelièvre-Berna, ILL	11:40		2	HOW THE GROWTH OF NEUTRON IM
12:00	4		SAMPLE ENVIRONMENT AT J-PARC M	Takayuki Oku, J-PARC	12:00		3	HUGINN: PELTIER-BASED TEMPERATU
12:30-14:00		Lunch		12:30-14:00		Lunch		
14:00	1	OVERVIEW III	STATUS AND NEWS FROM JRR-3	14:00	1	LowTemp I	CRYOGENIC SAMPLE ENVIRONMENT	
14:20	2		PROGRESS IN CSNS FACILITY AND SAM	Shaoying Zhang, CAS	14:20		2	ADJUSTABLE SAMPLE COOLING BY 4 K
14:40	3		UPDATE ON SCIENCE SUPPORT SYSTE	Arno Hiess, ESS	14:40		3	EXTENDING THE CAPABILITIES OF THE
15:00	4		THE SAMPLE ENVIRONMENT TEAM AT	Stefan Carlson, MAX IV	15:00		4	A WET CRYOSTAT FOR THE 21ST CENT
15:30-16:00		Coffee + Exhibition		15:30-16:00		Coffee + Exhibition		
16:00	1	OVERVIEW IV	SE@MLZ: WHAT'S THE NEWS?	16:00	1	Magnets & LowTemp II	NON-MAGNETIC GONIOMETER FOR D	
16:20	2		NIST CENTER FOR NEUTRON RESEARC	Yamali Hernandez, NCNR	16:20		2	NEW TECHNOLOGY DEVELOPMENTS
16:40	3		THE SAMPLE ENVIRONMENT AT SINQ	Marek Bartkowiak, PSI	16:40		3	NEW SAMPLE ENVIRONMENT PROJEC
17:00	4		BEYOND THE BASICS IN AN INCREASIN	Chris Redmon, ORNL	17:00		4	A PASSIVELY SHIELDED HTS MAGNET
17:30-19:00		Poster + Exhibition		17:30-19:00		Poster + Exhibition		
19:00-20:00		Dinner		19:00-20:00		Dinner		
20:30-21:30		ISSE Board Meeting		20:30-21:30		SECOP Meeting		

Overview Talks
 Regular Talks

Company Talks

Wednesday				Thursday			
Time	Session	Title	Name	Time	Session	Title	Name
09:00	1	SAMPLE ENVIRONMENT FOR NEUTRO	Oleg Kirichek, ISIS	08:15-09:30 Transfer to BESSY II			
09:20	2						
09:40	3			Overview V			
10:00-10:30		Coffee + Exhibition		09:30	1	BESSY II AS PART OF THE EUROPEAN	Antje Vollmer, HZB
10:30	1	ADSORPTION TROUGHES FOR HORIZO	Eric Delangre, ILL	09:50	2	THE SAMPLE ENVIRONMENT SERVICE	Yves Watier, ESRF
10:50	2	ADVANCES MADE IN THE SHORT EXIST	Andy Church, ISIS, STFC	10:10	3	SAMPLE ENVIRONMENT AND EXTREM	Anita Ehnes, DESY
11:10	3	IN-SITU SETUP FOR GRAVIMTRIC MEA	Dirk Wallacher, HZB	10:30	4	SAMPLE ENVIRONMENT AT THE EURC	Joachim Schulz, XFEL
11:30	4	SAMPLE ENVIRONMENT DEVELOPME	Chris Goodway, ISIS	11:00-11:30 Coffee + Exhibition			
12:00-13:00		Lunch		11:30	1	APPROACH TO SAMPLE DELIVERY FOR	Peter Docker, Diamond
13:00-14:00		Transfer to BER II		11:50	2	VERSATILE <i>IN SITU</i> CELL FOR RESONA	Isvar Cordova, ALS
14:00	1	NEUTRON SCATTERING AT THE BER II	Klaus Habicht, HZB	12:10	3	NOVEL SOLUTIONS FOR NEAR - AMBIE	Matteo Amati, Elettra
14:20	2	HFM-EXED: THE HZB HIGH FIELD FACI	Peter Smeibidl, HZB	12:30	4	CONTROLLED GAS ATMOSPHERES FO	Dirk Wallacher, HZB
14:40	3	HFM CRYOSTATS IN OPERATION	Robert Wahle, HZB	13:00-14:00 Lunch + Poster III + Exhibition			
15:00	4	ULTRA-LOW TEMPERATURE SAMPLE B	Christopher Lawson, STFC	14:00	1	NANOSCALE 3-D X-RAY IMAGING	Gerd Schneider, HZB
15:20	5	A HORIZONTAL DILUTION REFRIGERA	Ted Forgan, Univ. of Birmingham	14:15	2	COMPACT HTS MAGNETS FOR SYNCH	Taotao Huang, HTS-110
15:50-17:30		Visit BER II		14:30	3	MX BEAMLINES & ROBOTICS AT HZB	Manfred Weiss, HZB
17:30-18:00		Time Buffer		14:45	4	PHOTOELECTRON SPECTROSCOPY OF	Axel Knop-Gericke, F.-Haber-Inst.
18:00-18:30		Transfer to Glienicker Bridge		15:00	5	SAMPLE CONTROL AND ENVIRONMEN	Andrey Varykhalov, HZB
18:30-22:30		Dinner Boat		15:25-17:00 Visit BESSY II			
		SAMPLE ENVIRONMENT WORKSHOPS	Michael Meissner, MSC Berlin	17:00-17:15 Time Buffer			
		SERGE PUJOL WAS A LEGEND!	Eddy Lelièvre-Berna, ILL	17:15-18:30 Transfer to Hotel			
				18:30-23:00 Goodbye Dinner (BBQ)			

Posters A: Monday 17:30 - 19:00		
In-situ, Soft Matter & Time Resolved Experiments		
N	ILLUMINATING EXPERIMENTS AT ACNS; IN-SITU AN	Gene Davidson, ANSTO
P	HOT VAPOR ADSORPTION CHAMBER FOR X-RAY D	René Blažević, HZB
N	IN-SITU 10KN STRESS RIG FOR SXD	Matt North, ISIS, STFC
P	SAMPLE ENVIRONMENT FOR IN SITU INVESTIGATI	Robert Wendt, HZB
N	IMPROVED EXPERIMENTAL DATA DUE TO IN-HOUS	Tom Charleston, ISIS
N	SAMPLE ENVIRONMENT EQUIPMENT FOR LIGHT IF	Yoshifumi Sakaguchi, CROSS
N	THE ENGINEERING DIFFRACTOMETER BEER AT ESS	Jochen Fenske, HZG
Gas Atmospheres		
B	BINARY GAS ANALYSER FOR CONTROL OF GAS MIX	Ralf Feyerherm, HZB
P	DIFFERENTIAL PUMPING UNIT FOR SOFT X-RAY PH	Matthias Neeb, HZB
N	ISIS Neutron and Muon Facility Control System Dev	Graham Burgess, ISIS
High Pressure		
N	NEW PRESSURE CELLS FOR MEMBRANE LAYERS AN	Julien, Gonthier, ILL
N	DEVELOPMENT OF A LOW-TEMPERATURE AND HI	Hiroshi Arima, CROSS
N	RECENT DEVELOPMENTS IN SAMPLE ENVIRONMEI	Gene Davidson, ANSTO
N	PARIS-EDINBURGH PRESSURE CELL AT HZB	Karel Prokes, HZB
N	IN SITU PRESSURE MEASUREMENTS FOR CLAMP T	Mark Loguillo, ORNL
High Temperatures		
N	HIGH TEMPERATURE FURNACE FOR SMALL-ANGLE	Yoshifumi Sakaguchi, CROSS
N	FAST COOLING FURNACE PROJECT	A. Sears, G. Burgess, ISIS
N	LOW BACKGROUND GAS FLOW FURNACE DEVICES	Bekki Mills, ORNL
N	ATG AND QUENCH-CENTER STICK FOR HIGH TEMP	Jürgen Peters, FRM II
N	INFRARED FURNACE WITH CONTROLLED GAS ATM	Andreas Buchner, FRM II
P	IN-SITU ANALYSIS OF HIGH TEMPERATURE GAS CO	Christiane Stephan-Scherb, BAM

N = Neutrons, P = Photons, B = both

Posters B: Tuesday 17:30 - 19:00		
Robotics		
N	ISIS NEUTRON AND MUON FACILITY CONTROL SYS	Graham Burgess, ISIS
Low Temperatures		
N	NEW-GENERATION 0.030 K – 320 K FULLY AUTOM	Julien Gonthier, ILL
N	SAMPLE POSITIONING AT ULTRA-LOW TEMPERATU	Sergiy Gladchenko, NCNR
P	LOW-TEMPERATURE PLATFORM FOR THZ PUMP –	Jakub Vonka, PSI
N	PROGRESS OF CSNS CRYO EQUIPMENT	Bo Bai, CSNS
N	STATUS OF CRYOGENICS AND MAGNETS AT J-PARC	Seiko Ohira-Kawamura, J-PARC
N	TEMPERATURE AND FIELD SAMPLE ENVIRONMENT	Alex Holmes, ESS
P	CRYOSTAT FOR HIGH-RESOLUTION X-RAY EMISSIO	Dirk Wallacher, HZB
N	CRYOSTAT FOR NEUTRON LAUE DIFFRACTION	Nico Grimm, HZB
N	ISIS ORANGE CRYOSTAT – AUTO TEMPERATURE CO	Jamie Nutter, ISIS
Helium Management		
B	HELIUM MANAGEMENT AT HZB	Klaus Kiefer, HZB
Magnetic Fields		
N	SAMPLE ENVIRONMENT AT THE SMALL AND WIDE	Kazuki Ohishi, CROSS
N	PULSED MAGNET SYSTEM AT MLF IN J-PARC	Masao Watanabe, JAEA
N	MAGNET SUITE AT ISIS	J. Keeping, D. Bunce, ISIS
N	INTEGRATION OF POLARISED 3HE INFRASTRUCTUR	Tim D'Adam, ANSTO
P	VEKMAG - A VECTOR MAGNET FOR BESSY II	Hanjo Ryll, HZB
B	QUANTUM MATERIALS CORE LAB AT HELMHOLTZ-	Bastian Klemke, HZB
N	NEW CAPABILITIES AT SINQ	Markus Zolliker, PSI
Software		
B	“ISAAC” – A MODULAR CONTROL SOFTWARE BOT	Bastian Klemke, HZB
N	UPDATE FROM THE SAMPLE ENVIRONMENT MECH	Anders Pettersson, HZB
B	SECOP - THE SAMPLE ENVIRONMENT COMMUNIC	Klaus Kiefer, HZB
N	OPEN SOURCE SAMPLE ENVIRONMENT DEVELOPM	Maksim Schastny, ISIS

Posters C: Thursday Lunch Break 13:00 - 14:00

Display of all Photon Posters

P	HOT VAPOR ADSORPTION CHAMBER FOR X-RAY D	René Blažević, HZB
P	SAMPLE ENVIRONMENT FOR IN SITU INVESTIGATI	Robert Wendt, HZB
B	BINARY GAS ANALYSER FOR CONTROL OF GAS MIX	Ralf Feyerherm, HZB
P	DIFFERENTIAL PUMPING UNIT FOR SOFT X-RAY PH	Matthias Neeb, HZB
B	IN-SITU ANALYSIS OF HIGH TEMPERATURE GAS CO	Christiane Stephan-Scherb, BAM
P	LOW-TEMPERATURE PLATFORM FOR THZ PUMP –	Jakub Vonka, PSI
P	CRYOSTAT FOR HIGH-RESOLUTION X-RAY EMISSIO	Dirk Wallacher, HZB
B	HELIUM MANAGEMENT AT HZB	Klaus Kiefer, HZB
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