Schedule for Monday, 12 JUN 2017

Start	End	Session	Speaker	Title
8:30	9:00	**Arrive**		
9:00	9:20	*Welcome*	PML Director's office	PML / NIST Overview
9:20	9:40		Jeff Nico	Neutron Physics Overview
9:40	10:00		Daniel Hussey	Neutron Imaging Overview
10:00	10:30	**Coffee**		
10:30	11:00	*Facilities*	Michael Lerche	The ODIN Project at the European Spallation Source
11:00	11:30		Takenao Shinohara	Present status of the Energy-Resolved Neutron Imaging System, RADEN, in J-PARC
11:30	12:00		Triestino Minniti	Characterisation of the TOF imaging instrument IMAT
12:00	12:30		Yoshiaki Kiyanagi	Present status of accelerator driven neutron facilities with capability of imaging in Japan
12:30	13:30	**Lunch, NIST Cafeteria**		
13:30	14:00	*Phase Imaging*	Markus Strobl	Perspectives of quantitative neutron time-of-flight dark-field imaging
14:00	14:30		Dimtri Pushin	Neutron Twisted Waves and their Spin-Orbit Coupling
14:30	15:00		Ralph Harti	Sub-pixel correlation length imaging of the heterogeneous formation of a colloidal crystal
15:00	15:30		Les Butler	Neutron Interferometry of Stressed Additive Manufacturing Samples
15:30	16:00	**Coffee**		
16:00	16:30	*Bragg Edge Analysis*	Søren Schmidt	3D Neutron Diffraction (3DND) methodology – second generation algorithms
16:30	17:00		Jean Bilheux	Imaging Bragg Edge Analysis Tool for Engineering Structure – iBeatles
17:00	17:30		Marc Raventos	Forward model algorithm for multigrain indexing in Laue mode
17:30	18:00	**Transit to Hotel**		
18:00	20:00	**Dinner, on own**		
20:00	23:00	**Poster Session**		

Poster Session Presentations, Monday 12 JUN 2017, 8 PM to 11 PM

Poster #	Presenter	Title
1	Andrew Holmgren	Simulations of Neutron Strain Imaging Using Coded Apertures
2	Ralf Ziesche	Investigation of the Lithiation Process of commercial and lab made Li-Ion Batteries
3	Robert Nshimirimana	Investigation of laser treated steel using neutron wavelength dependent imaging
4	Daniel Pooley	Further Development of the 'GP2' Event-mode Imaging Detector
5	David Jacobson	Centroiding GadOx detector
6	Yuxuan Zhang	Neutron Resonance Imaging of Uranium in Advanced Nuclear Fuel
7	Daniel Hussey	Cold Neutron Imaging at NIST
8	Manuel Morgano	The ODIN guide system at ESS
9	Aureliano Tartaglione	Update on the design of ASTOR, the cold neutron imaging instrument for the Argentinean RA-10 reactor
10	Boris Khaykovich	Design of a thermal-neutron microscope for post-irradiation examination of irradiated nuclear fuel
11	Nicholas Borges	Feasibility of Small Animal Anatomical and Functional Imaging with Neutrons
12	Stefano Deledda	Upgrading the Neutron Radiography Set-Up at IFE in Kjeller, Norway
13	Winfried Kockelmann	IMAT: Project Status and Future Plans
14	Ralf Ziesche	Simulation of flux trapping behaviour in Type II Superconductor using Polarised Neutron Imaging
15	Ralph Harti	TaPy - An open and hackable tool for neutron grating interferometry
16	Jake LaManna	NeXT
17	Aureliano Tartaglione	Absolute determination of low hydrogen concentrations in Zr alloys by wavelength resolved neutron imaging
18	Sven Vogel	Neutron Radiography with cold, thermal, epi-thermal, and fast neutrons at LANSCE
19	Kenichi Watanabe	Bragg-edge analysis using energy-resolved neutron tomography

Schedule for Tuesday, 13 JUN 2017

Start	End	Session	Speaker	Title
8:30	9:00	**Arrive**		
9:00	9:30	*Instrumentation*	Matthew Connolly	In Situ Neutron Transmission Bragg Edge Measurement of Strain Fields Near Fatigue Cracks Grown in Hydrogen
9:30	10:00		Yoshiyuki Takahashi	Improvement of a Neutron Source and a Beam Line for Pulsed Neutron Imaging at KURRI-LINAC
10:00	10:30		Robin Woracek	Developing key capabilities for neutron imaging at ESS Using the ESS Testbeamline at HZB
10:30	11:00	**Coffee**		
11:00	11:30	*Magnetic Imaging*	Boris Khaykovich	Towards polarized neutron microscope for studies of magnetic domains and magnetic phase transitions
11:30	12:00		Morten Sales	Three Dimensional Polarimetric Neutron Tomography of Magnetic Fields
12:00	12:30		Wolfgang Triemer	Study of shape dependent flux trapping with polarized neutrons
12:30	13:30	**Lunch, NIST Cafeteria**		
13:30	14:00	*Instrumentation*	Burkhard Schillinger	Optimizing the design and use of neutron imaging facilities
14:00	14:30		Joseph Parker	Present status of neutron imaging detector development at RADEN
14:30	15:00		Nikolay Kardjilov	Double-crystal monochromator device for energy-selective imaging
15:00	15:30		Indu Dhiman	Development of polarized neutron imaging technique on CG-1D beamline for the investigation of superconductors and magnetic transitions
15:30	16:00	**Coffee**		
16:00	16:30	*Phase Imaging*	Luisa Riik	Complementary information: Ultra small angle scattering and radiography with polarized neutrons on magnet steel samples
16:30	17:00		Jacopo Valsecchi	Quantitative visualization of the magnetic induced phase shift with polarized neutron grating interferometry
17:00	17:30		Michael Huber	Three Phase-Grating Moiré Neutron Interferometer
17:30	18:00	**Transit to Hotel**		
19:00	21:00	**Workshop Dinner**		

Schedule for Wednesday, 14 JUN 2017

Start	End	Session	Speaker	Title
8:30	9:00	**Arrive**		
9:00	9:20	*Tomography*	Jacob LaManna	Status and research applications of the Neutron and X-ray Tomography (NeXT) system
9:20	9:40		Anna Fedrigo	Bi-modal tomography with X-rays and neutrons, a case study on impactite samples
9:40	10:00		Muhammad Abir	Post Irradiation Examination of U-Mo Fuels Using Neutron Computed Tomography
10:00	10:20		Singanallur Venkatakrishnan	Pushing the Limits of 3D Imaging Systems - A Model-based Reconstruction Approach
10:20	10:50	**Coffee**		
10:50	11:10	*Bragg Edge Applications*	Daisuke Ito	Bragg edge imaging of solidification process in lead-bismuth eutectic
11:10	11:30		Gian Song	Dynamic microstructural evolution of additively manufactured Inconel 718 parts using Bragg-edge imaging radiography and neutron diffraction
11:30	11:50		Malgorzata Makowska	Coupling between creep and redox behaviour in half-SOC cells observed in-situ by Bragg edge neutron imaging
11:50	12:10		Tetsuya Kai	Observation of lithium-ion battery by using the Bragg-edge imaging technique
12:10	12:30		Eberhard Lehmann	Progress in Neutron Imaging (during/by the NEUWAVE workshop series)
12:30	13:30	**Lunch**		
13:30	14:00	**Transit to NCNR**		
14:00	16:00	**NCNR Tour**		