

Program

Day 1 (Mar 5) Wednesday

8:00-9:20	Registration				
9:20-12:30	Opening & Facility Report				
	Welcome Address				
	FR-1	30min	Yujiro Ikeda	J-PARC	J-PARC Status Update
	FR-2	30min	Ian S. Anderson	SNS	The Spallation Neutron Source - New Opportunities
	FR-3	30min	Andrew Taylor	ISIS	ISIS Facility - Past Achievements and Future Prospects
	Coffee Break (20min)				
	FR-4	20min	Rob A. Robinson	OPAL	Progress with OPAL, the new Australian Research Reactor
	FR-5	20min	Werner Wagner	PSI	PSI Status – Operation and Utilization of the Proton Accelerator Facility
FR-6	20min	Christian Vettier	ESS	Progress for the European Spallation Source in Scandinavia	
14:00-17:45	The 1st International Symposium 'Sciences at J-PARC' (Joint Session with Hadron and Neutrino Physics)				

Day 2 (Mar 6) Thursday

8:30-11:30	Facility Report				
	FR-8	15min	Jie Wei	CSNS	China Spallation Neutron Source – R&D Efforts and Future Perspectives *
	Plenary Lectures				
	PL-1	35min	Makoto Hayashi	Ibaraki Prefecture	Outline of Ibaraki Prefectural Neutron Spectrometers
	PL-2	35min	Peter Timmins	ILL	Structural Biology and Neutrons - The Shape of Things to Come
	Coffee Break (25min)				
	PL-3	35min	Jun Akimitsu	Aoyama Gakuen Univ.	The <i>p</i> - and <i>d</i> -electron Superconductors
	PL-4	35min	Ferenc Mezei	Budapest Neutron Center and LANSCE	Pulsed Spallation Sources: the Next Challenges and Perspectives
13:00-15:00	MS1 Innovative sources and instruments (Muon target, neutron source, device, detector, poralizaton, facility (inc. radiation safty), optics ,etc.,)				
	MS1-1	24min	Masatoshi Futakawa	J-PARC	Development of the Hg target in the J-PARC neutron source
	MS1-2	24min	Yasuhiro Miyake	J-PARC	JPARC Muon Source, MUSE
	MS1-3	24min	Elvezio Morenzoni	PSI	Depth Dependent μ SR on Nanometer Scale
	MS1-4	24min	Thomas McManamy	SNS	SNS Target Systems Initial Operating Experience
	MS1-5	24min	Burkhard Schillinger	Technische Universität München	Various neutron imaging methods at the FRM II reactor source – and potential features at a spallation source installation
13:00-15:00	MS2 Advanced science in materials (strongly correlated electron systems, functional ceramics, magnetism, superconductivity, ferroelectrics, etc.)				
	MS2-1	30min	Yoji Koike	Tohoku Univ.	μ SR study on superconductivity and magnetism in high-Tc superconducting oxides
	MS2-2	30min	Hiroyuki Nojiri	Tohoku Univ.	Neutron Diffraction in Ultra-Strong High Magnetic Fields -A Powerful Tool for Spin Science
	MS2-3	30min	Brendan J. Kennedy	Univ. of Sydney	Parametric Studies of Structural Phase Transitions in Perovskites.
	MS2-4	30min	Hannu Mutka	ILL	Probing Coupling Between 'Rattling' and Extended Lattice Modes Using Time-of-Flight Neutron Scattering Combined With <i>Ab-initio</i> Calculations

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13:00-15:00	MS3 Hydrogen and water (life science, softmatter, Polymer, etc.)				
	MS3-1	24min	Joerg Neuefeind	ORNL	Isotope effect on the HH partial structure factor of liquid water
	MS3-2	24min	Nobuo Niimura	Ibaraki Univ.	Neutron Protein Crystallography: Beyond the Folding Structure
	MS3-3	24min	Motoyasu Adachi	JAEA	Effective Perdeuteration of ADP Ribose Pyrophosphatase (ADPRase) for Neutron Crystallography
	MS3-4	24min	Thomas F. Koetzle	ANL	Single-Crystal Neutron Diffraction Studies of Hydrogen Bonded Systems: Two Recent Examples from IPNS
	MS3-5	24min	John W. White	Australian National Univ.	Controlling Protein Structure at the Air - Water Interface
15:00-16:30	Poster Session (Poster Session A : Odd presentation number)				
16:30-18:30	MS1 Innovative sources and instruments (Muon target, neutron source, device, detector, polarizaton, facility (inc. radiation safty), optics ,etc.,)				
	MS1-6	24min	Kenji Nakajima	J-PARC	Inelastic Neutron Instrument Suites in MLF, J-PARC
	MS1-7	24min	Takashi Kamiyama	J-PARC	Elastic Neutron Instrument Suites in J-PARC/MLF
	MS1-8	24min	Stephen Bennington	ISIS	Instruments on the ISIS Second Target Station
	MS1-9	24min	Kenneth W. Herwig	SNS	The Inelastic Instrument Suite At The Oak Ridge National Laboratory's Spallation Neutron Source
	MS1-10	24min	Jason P. Hodges	SNS	POWGEN3: A New Neutron Powder Diffractometer Suitable for <i>Ab-Initio</i> Crystal Structure Determination
16:30-18:30	MS2 Advanced science in materials (strongly correlated electron systems, functional ceramics, magnetism, superconductivity, ferroelectrics, etc.)				
	MS2-5	30min	Je-Geun Park	SungKyunKwan Univ.	Neutron Scattering Studies of Multiferroic Compounds
	MS2-6	30min	Yukio Noda	Tohoku Univ.	Role of Neutron Diffraction Technique on the Study of Ferroelectric Phase Transition and the Future Plan Using Pulse Neutron
	MS2-7	30min	Shin-ichi Shamoto	JAEA	Total Scattering of Disordered Crystalline Functional Materials
	MS2-8	30min	Takatsugu Matsuda	Yokohama City Univ.	Simulation of Time of Flight Experiment in $\text{Cu}_2\text{Fe}_2\text{Ge}_4\text{O}_{13}$
16:30-18:30	MS3 Hydrogen and water (life science, softmatter, polymer, etc.)				
	MS3-6	24min	Tsuneyoshi Nakayama	Hokkaido Univ.	Liquid Water and Network Glasses at THz Frequencies and Below
	MS3-7	24min	Ralf Biehl	Forschungszentrum Jülich	Interdomain motions in yeast alcohol dehydrogenase
	MS3-8	24min	Toshio Yamaguchi	Fukuoka Univ.	Structure and Dynamics of Supercooled Confined Water
	MS3-9	24min	Jeffery Penfold	ISIS	Surface Adsorption from complex mixtures: the impact of Neutron Reflectivity
	MS3-10	24min	Koichiro Shimomura	KEK	Hydrogen in Semiconductors

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Day 3 (Mar 7) Friday

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8:30-11:30	MS1 Innovative sources and instruments (Muon target, neutron source, device, detector, polarizaton, facility (inc. radiation safty), optics ,etc.,)				
	MS1-11	20min	Kazuhiko Soyama	J-PARC Development of Neutron Optical Devices and Detectors in J-PARC	
	MS1-12	20min	Karl Zeitelhack	Technische Universität München Detector and Electronics Development at FRMII Research Facility	
	MS1-13	20min	Wai-Tung Hal Lee	ORNL Development of Polarized 3He based Neutron Spin Filter Techniques <i>-In-situ</i> polarizer/analyzer, wide-angle analyzer, and filling station	
	MS1-14	20min	Ken Andersen	ILL Neutron Polarisers	
	Coffee Break (20min)				
	MS1-15	20min	Jun-ichi Suzuki	J-PARC Development of series sextupole magnets for pulsed neutron focusing	
	MS1-16	20min	Lowell Crow	SNS Neutron Detector Systems for the Spallation Neutron Source at Oak Ridge National Laboratory	
	MS1-17	20min	Pavel Bakule	RIKEN Prospects for Ultra Low Energy Muon Beam at J-PARC	
	MS1-18	20min	Michael Monkenbusch	Forschungszentrum Jülich Design of a Larmor Rotation Spectrometer at a Pulsed Source: The SNS-NSE spectrometer	
8:30-11:30	MS4 Energy, environment and safety (materials science, functional materials, nano science, batteries, fuel cells, hydrogen storage materials, etc.)				
	MS4-1	30min	Yumiko Nakamura	AIST Distribution of Hydrogen in Metal Hydrides Studied by <i>In situ</i> Powder Neutron Diffraction	
	MS4-2	30min	WIF David	ISIS Opportunities for Hydrogen Energy Research at Next Generation Neutron Sources	
	MS4-3	30min	Helmut Fritzsche	Canadian Neutron Beam Centre Structural Changes In Thin MgAl Films During Hydrogen Absorption and Desorption	
	Coffee Break (30min)				
	MS4-4	30min	Ryoji Kanno	Tokyo Institute of Technology Structure - property relationships in lithium battery electrodes; Structure analysis using neutron scattering for high battery performances	
MS4-5	30min	Evvy Kartini	BATAN The Prospect of Neutron Scattering to Study Ionic Conductor Materials		
13:00-15:00	MS1 Innovative sources and instruments (Muon target, neutron source, device, detector, polarizaton, facility (inc. radiation safty), optics ,etc.,)				
	MS1-19	15min	Knud Thomsen	PSI Advanced on-Target Beam Monitoring for Spallation Sources	
	MS1-20	15min	Shin-ichiro Meigo	JAEA Beam Commissioning for Neutron and Muon Facility at J-PARC	
	MS1-21	15min	Dai Tomono	RIKEN Development of New μ -e Decay Counters in a New Multi-channel μ SR Spectrometer for an Intense Pulsed Muon Beam	
	MS1-22	15min	Bruno Guerard	ILL Neutron Gas Detectors for Spallation Sources	
	MS1-23	15min	Richard M. Ibberson	ISIS Design and Performance of the New Supermirror Guide on HRPD at ISIS	
	MS1-24	15min	Wataru Utsumi	JAEA Neutron Powder Diffraction under High Pressure at J-PARC	
	MS1-25	15min	Soh Y. Suzuki	KEK New Pipelined Data Acquisition System for the muSR Experiment at J-PARC	
	MS1-26	15min	Masahiro Hino	Kyoto Univ. Simulation on MIEZE spectroscopy for pulsed neutron source	

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13:00-15:00	MS4 Energy, environment and safety (materials science, functional materials, nano science,)				
	MS4-6	24min	Jun Sugiyama	Toyota Central Research and Development	Microscopic Magnetic Nature of Layered Cobalt Dioxides, $A_x\text{CoO}_2$ Investigated by Muon-spin Rotation and Relaxation
	MS4-7	24min	Xun-Li Wang	SNS	Emerging opportunities in engineering diffraction studies
	MS4-8	24min	Yo Tomota	Ibaraki Univ.	<i>In Situ</i> TOF Neutron Diffraction during Phase Transformation in Engineering Steels
	MS4-9	24min	R. Mukhopadhyay	Bhabha Atomic Research Centre	Molecular Motions and Affect Due to Confinement
	MS4-10	24min	Michael K. Kubo	International Christian Univ.	Bulk Elemental Analysis Method with Muonic X-ray
13:00-15:00	MS5 Basic science and nuclear physics, nuclear chemistry, etc.				
	MS5-1	30min	Masayuki Igashira	Tokyo Institute of Technology	Nuclear Data Study at J-PARC BL04
	MS5-2	30min	Hirohiko M.Shimizu	J-PARC	A Beamline for Neutron Optics and Fundamental Physics at J-PARC
	MS5-3	30min	Fujio Maekawa	J-PARC	NOBORU: J-PARC BL10 for Facility Diagnostics and Its Possible Extension to Innovative Instruments
	MS5-4	30min	Katsuhiko Ishida	RIKEN	Muon Catalyzed Fusion with High Intensity Pulsed Muon Beams
15:00-16:30	Poster Session (Poster Session B: Even presentation number)				
16:30-18:00	Panel Discussion				
18:00-18:30	Closing Ceremony				