

Nov. 29 (Mon)		MIRAI 2.0 Materials Science TEG Workshop: Nov. 29 (Mon) - Dec. 1 (Wed) : 8:00 (SE) - 12:00 (SE) / 16:00 (JP) - 20:00 (JP)					
8:00-8:15 (SE) / 16:00-16:15 (JP)	Opening Session · Opening Remarks by Vice President (5 min) · Workshop Overview (5 min)						
8:15-9:00 (SE) / 16:15-17:00 (JP)	Session 1: Plenary Session · Special Session (from MIRAI 1.0) (20 min) (SE) - Peter Lindblad (Uppsala Univ.) (JP) - Masahiro Yoshizawa-Fujita (Sophia Univ.) · Discussion (25 min)						
9:00-10:00 (SE) / 17:00-18:00 (JP)	Session 2: "Neutrons" · Invited talks (40 min) (SE) - Alexei Vorobiev (Uppsala Univ.) - Swedish Neutron reflectometer Super ADAM at ILL (JP) - Masaaki Kitaguchi (Nagoya Univ.) - Neutron Interferometry (SE) - Martin Månsson (The Royal Institute of Technology) - SwedNess: the Swedish Graduate School in Neutron Scattering (JP) - Daisuke Okuyama (Tohoku Univ.) - Moving state of magnetic-swirling textures in a solid-state material observed by neutron diffraction · Discussion (20 min)						
10:00-10:10 (SE) / 18:00-18:10 (JP)	<< Break >>						
10:10-10:30 (SE) / 18:10-18:30 (JP)	Session 3: University Profile Presentation · University Profile Presentation (20 min) <ul style="list-style-type: none"> · Hokkaido Univ. · Linköping Univ. · Nagoya Univ. · Lund Univ. 						
10:30-11:20 (SE) / 18:30-19:20 (JP)	Session 4: Breakout Sessions: Networking and Engagement · Breakout Session (50 min) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;"> · Breakout Session 4-a (Session 1: Plenary Session) </td> <td style="width: 33%; text-align: center;"> · Breakout Session 4-b (Session 2: "Neutrons") </td> <td style="width: 33%; text-align: center;"> · Breakout Session 4-c (Session 9: "Electrons") </td> </tr> </table>				· Breakout Session 4-a (Session 1: Plenary Session)	· Breakout Session 4-b (Session 2: "Neutrons")	· Breakout Session 4-c (Session 9: "Electrons")
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11:20-11:30 (SE) / 19:20-19:30 (JP)	Check-out & Announcements						

Nov. 30 (Tues) MIRAI 2.0 Materials Science TEG Workshop: Nov. 29 (Mon) - Dec. 1 (Wed) : 8:00 (SE) - 12:00 (SE) / 16:00 (JP) - 20:00 (JP)				
8:00-8:10 (SE) / 16:00-16:10 (JP)	Check-in			
8:10-9:10 (SE) / 16:10-17:10 (JP)	<p>Session 5: "Photons"</p> <ul style="list-style-type: none"> Invited talks (40 min) <ul style="list-style-type: none"> (SE) - Elizabeth Blackburn (Lund Univ.) - Structural Distortions and Deformations in Cuprate Superconductors (JP) - Susumu Yamamoto (Tohoku Univ.) - Catalytic surface reactions studied by operando soft X-ray spectroscopy (SE) - Hermann Dürr (Uppsala Univ.) - Probing magnetism with soft x-rays (JP) - Xiaoyu Liang (Tohoku Univ.) - Developing a multibeam X-ray imaging system for high-speed tomography Discussion (20 min) 			
9:10-10:10 (SE) / 17:10-18:10 (JP)	<p>Session 6: "Materials for Energy Devices"</p> <ul style="list-style-type: none"> Invited talks (40 min) <ul style="list-style-type: none"> (SE) - Ellen Moons (Karlstad Univ.) - Organic solar cells (JP) - Miho Yamauchi (Kyushu Univ.) - Inorganic Nanocatalysts for Hydrogenation Reactions toward Sustainable Material Conversions (SE) - Gunnar Pálsson (Uppsala Univ.) - Amorphous metal hydrides (JP) - Naoki Shimosako (Japan Aerospace Exploration Agency) - Contamination Control for Spacecrafts using Photocatalysts Discussion (20 min) 			
10:10-10:20 (SE) / 18:10-18:20 (JP)	<< Break >>			
10:20-10:40 (SE) / 18:20-18:40 (JP)	<p>Session 7: University Profile Presentation</p> <ul style="list-style-type: none"> University Profile Presentation (20 min) <ul style="list-style-type: none"> Uppsala Univ. Karlstad Univ. Tohoku Univ. Sophia Univ. 			
10:40-11:30 (SE) / 18:40-19:30 (JP)	<ul style="list-style-type: none"> Breakout Session (50 min) 	<ul style="list-style-type: none"> Breakout Session 8-a (Session 5: "Photons") 	<ul style="list-style-type: none"> Breakout Session 8-b (Session 6: "Materials for Energy Devices") 	<ul style="list-style-type: none"> Breakout Session 8-c (Session 10: "Materials for Sensing Applications")
11:30-11:40 (SE) / 19:30-19:40 (JP)	<ul style="list-style-type: none"> Check-out & Announcements 			

Dec. 1 (Wed)		MIRAI 2.0 Materials Science TEG Workshop: Nov. 29 (Mon) - Dec. 1 (Wed) : 8:00 (SE) - 12:00 (SE) / 16:00 (JP) - 20:00 (JP)	
8:00-8:10 (SE) / 16:00-16:10 (JP)	Check-in		
8:10-9:10 (SE) / 16:10-17:10 (JP)	<p>Session 9: "Electrons"</p> <ul style="list-style-type: none"> • Invited talks (40 min) <ul style="list-style-type: none"> (SE) - Mattias Borg - (Lund Univ.) - Ferroelectric nanoelectronics for energy-efficient machine-learning (JP) - Satoshi Hata (Kyushu Univ.) - Fast 3D imaging of crystal defects using scanning transmission electron microscopy (SE) - Moyses Araujo - (Karlstad Univ.) - Interplaying artificial intelligence and quantum mechanics in energy-materials design (JP) - Koji Yonekura (Tohoku Univ./RIKEN SPring-8 Center) - Hydrogen properties revealed by cryo-EM and ED • Discussion (20 min) 		
9:10-10:10 (SE) / 17:10-18:10 (JP)	<p>Session 10: "Materials for Sensing Applications"</p> <ul style="list-style-type: none"> • Invited talks (40 min) <ul style="list-style-type: none"> (JP) - Masatoshi Maeki (Hokkaido Univ.) - Protein-ligand complex structure analysis using a microfluidic device (JP) - Masaki Yoshida (Hokkaido Univ.) - Control of metallophilic interactions of platinum(II) complexes for stimuli-sensing systems (JP) - Arif Md. Rashedul Kabir (Hokkaido Univ.) - Sensing surface mechanical deformation of soft materials using biomolecular motors (SE) - Anna Herland (The Royal Institute of Technology) - Evaluating in vitro tissue function – implications for drug development and disease modelling • Discussion (20 min) 		
10:10-10:20 (SE) / 18:10-18:20 (JP)	<< Break >>		
10:20-10:30 (SE) / 18:20-18:30 (JP)	<p>Session 11: University Profile Presentation</p> <ul style="list-style-type: none"> • University Profile Presentation (10 min) <ul style="list-style-type: none"> • Kyushu Univ. 		
10:30-10:45 (SE) / 18:30-18:45 (JP)	<p>Closing Session</p> <ul style="list-style-type: none"> • Summary by TEG Co-Chairs (5 min) • Closing Remarks by Vice President (5 min) 		