

US-Japan workshop

Mirai base, 3-7-25, Eki-higashi, Funai-shikawa Tokai, Naka, Ibaraki 319-1106, Japan

Time	Event	Speaker
Wednesday, 06/24/2026		
Morning session chair: Adam Aczel		
9:00 – 9:10am	Welcome	R. Motokawa (JAEA)
9:10 – 9:20am	Introduction to the US-Japan collaboration	Taka Masuda (ISSP)
9:20 – 9:40am	The neutron scattering group at BNL	John Tranquada (BNL)
9:40 - 10:00am	Neutron scattering at ORNL	Mark Lumsden (ORNL)
10:00 – 10:15am	JRR-3 Overview - JAEA	T.Osakabe (JAEA)
10:15 – 10:25am	JRR-3 Overview - ISSP	T. J. Sato (ISSP)
10:25 – 10:50am	Break and Group Photo	All
10:45 – 10:55am	JRR-3 future plan	K. Kaneko (JAEA)
10:55 – 11:15am	New SANS at JRR-3	T. Kumada (JAEA)
11:15 - 11:35am	Upgrade plan for iNSE	T. Oda (ISSP)
11:35 – 11:55pm	EQ-SANS @ORNL	G. Nagy (ORNL)
11:55 – 1:15 pm	Working Lunch – Discussion on the recent development in soft matter	All - TBD

Afternoon session 1 chair: TBD

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Wednesday, 06/24/2026		
1:15 – 1:35pm	Soft matter science @ SANS-J	C. Micheau (JAEA)
1:35 – 1:55pm	Soft matter science @ ORNL	S. V. Pingall (ORNL)
1:55 – 2:15pm	Soft matter science @ SANS-U	K. Mayumi (ISSP)
2:15 – 2:35pm	Soft matter science @ KURNS	K. Morishima (Kyoto U.)
2:35 – 2:55pm	Diffractionmeter for Residual Stress HIDRA	Jeff Bunn (ORNL)
2:55 – 3:15pm	Diffractionmeter for Residual Stress RESA	Yuki Shibayama (JAEA)
3:15 – 3:35pm	Coffee Break	All
Afternoon session 2 chair: Takatsugu Masuda		
3:35 – 3:55pm	Neutron Imaging @ ORNL	James Torres (ORNL)
3:55 – 4:15pm	Neutron Imaging @ JRR-3	I. Harayama (JAEA)
4:15 – 4:35pm	Prompt gamma-ray Imaging	I-H. Chiu (JAEA)
4:35 – 4:55pm	Pressure cell developments @ ORNL	Dilip Bhoi (ORNL)
4:55 – 5:15am	Pressure cell developments @ MLF	S. Hayashida (CROSS)
5:15 – 6:00pm	Poster session on neutron scattering techniques and Working Dinner	All

Time	Event	Speaker
Thursday, 06/25/2026		
Morning session chair: Matthias Frontzek		
9:00 – 9:20am	HODACA	Taka Masuda (ISSP)
9:20 – 9:40am	MANTA	Hodaka Kikuchi (ORNL)
9:40 – 10:00am	International strategy for TAS	Adam Aczel (ORNL)
10:00 – 10:20am	Monochromator development strategy	Eleanor Clements (ORNL)
10:20 – 10:35am	Monochromator development strategy	Koji Kaneko (JAEA)
10:35 – 10:50am	Break	All
10:50 – 11:10am	Polarized Neutron Scattering on HB-1	M. Matsuda (ORNL)
11:10 – 11:30am	Polarized Neutron Scattering Developments on PONTAS	S. Takahashi (ISSP)
11:30 – 11:50am	Polarized Neutron Scattering on TAS-1	Chihiro Tabata (JAEA)
11:50 – 12:10pm	Polarized Neutrons at MLF	S. Takada (J-PARC/JAEA)
12:10 – 1:30pm	Working Lunch: Developments for Spallation sources	All - TBD
Afternoon session 1 chair: Koji Kaneko		
1:30 – 1:50pm	Single Crystal diffraction	M. Frontzek (ORNL)
1:50 – 2:10pm	Single Crystal diffraction	R. Kiyonagi (J-PARC JAEA)

Time	Event	Speaker
Thursday, 06/25/2026		
2:10 – 2:20pm	Introduction to AI/ML session	M. Lumsden (ORNL)
2:20 – 2:40pm	Using AI to automate data acquisition and reduction	Yuanpeng Zhang (ORNL)
2:40 – 3:10pm	Break	All
3:10 – 3:30pm	AI/ML/DX	TBD (Japan)
3:30 – 3:50pm	Using AI to extract diffuse scattering data	Zach Morgan (ORNL)
3:50 – 4:10pm	AI/ML/DX	TBD (Japan)
4:10 – 5:00pm	Goals for implementing AI in the neutron scattering workflow	All – Group discussion
5:00 – 5:10pm	Closing	