



ISSE School 2023 Tokai Program

Updated: 18 October

Registration: 15:00-18:00 Sunday, October 22

Welcome dinner: 18:00- Sunday, October 22

AQBRC 2F Conference room & Lounge

Monday, October 23

8:00 Breakfast

9:00 Opening remarks

9:10 Basic of neutron Koji Kaneko (JAEA)

9:30 Basic of X-ray **(On-line)** Satoshi Tsutsui (JASRI)

9:50 Sample cells Taiki Tominaga (CROSS)

10:20 Coffee

10:40 Safety training

12:10 Lunch ("Bento")

13:10 *AQBRC to MLF (Bus transport)*

13:30 Hands-on training (1)

Grp A: High pressure	T. Hattori & A. Sano-Furukawa
Grp B: SE for soft matter	S. Takata, H. Arima, T. Tominaga
Grp C: Cryogenic	M. Ishikado, R. Takahashi, Y. Yamauchi
Grp D: High temperature	Y. Sakaguchi

15:00 Coffee

15:30 Hands-on training (2)

Grp A: SE for soft matter	S. Takata, H. Arima, T. Tominaga
Grp B: High pressure	T. Hattori & A. Sano-Furukawa
Grp C: Pulsed magnet	M. Watanabe
Grp D: Cryogenic	M. Ishikado, R. Takahashi, Y. Yamauchi

17:00 *MLF to AQBRC (Bus transport)*

18:30 Dinner at Uoyasu

Tuesday, October 24

8:00 Breakfast

9:00 Cryogenic I

Marek Bartkowiak (PSI)

9:40 Cryogenic II

Marek Bartkowiak (PSI)

10:20 Coffee

10:50 High-pressure sample environments:
Basics of high-P generation and various presses

Takanori Hattori (JAEA)

11:20 Clamp cells

Yoshiya Uwatoko (U. Tokyo)

11:45 Diamond anvil cells

Shinichi Machida (CROSS)

12:10 Lunch ("Bento") & Group photo

13:10 *AQBRC to MLF (Bus transport)*

13:30 Hands-on training (3)

Grp A: Cryogenic

M. Ishikado, R. Takahashi, Y. Yamauchi

Grp B: Pulsed magnet

M. Watanabe

Grp C: High temperature

Y. Sakaguchi

Grp D: SE for soft matter

S. Takata, H. Arima, T. Tominaga

15:00 Coffee

15:30 *MLF to JRR-3 (Bus transport)*

15:40 Japan Research Reactor-3 (JRR-3) tour

17:00 *JRR-3 to AQBRC (Bus transport)*

18:30 Dinner (Curry party)

Wednesday, October 25

8:00	Breakfast	
9:00	High temperature	Yoshifumi Sakaguchi (CROSS)
9:40	Pulsed magnet system	Masao Watanabe (JAEA)
10:20	Coffee	
10:50	Magnetic and electric field	Marek Bartkowiak (PSI)
11:30	Background measures on sample environment equipment for neutron experiments	Seiko Ohira-Kawamura (JAEA)
12:10	Lunch (Sandwich party)	
13:10	Multi-Quantum Beam Surface Analysis with In-Vacuum Sample Transfer System (On-line)	Kenta Amemiya (KEK)
13:40	Sample environment at MLF	Seiko Ohira-Kawamura (JAEA)
14:00	<i>AQBRC to MLF (Bus transport)</i>	
14:20	MLF tour	
	Liquid immersion cell for solid-liquid interface	N. Miyata, H. Aoki
	Cryogenic loading machine, High-T LM	W. Gong
	Sample changer	T. Ishigaki
	Spin filter	S. Takada, S. Takahashi
15:20	Coffee	
15:50	MLF tour	
	Liquid immersion cell for solid-liquid interface	N. Miyata, H. Aoki
	Cryogenic loading machine, High-T LM	W. Gong
	Sample changer	T. Ishigaki
	Spin filter	S. Takada, S. Takahashi
17:00	<i>MLF to AQBRC (Bus transport)</i>	
18:30	Dinner at Uoyasu	

Thursday, October 26

8:00 Breakfast

9:00 Soft matter Overview &AFL Peter Beaucage (NIST)

10:00 Humidity control Hiroshi Arima (CROSS)

10:20 Coffee

10:50 Vacuum Akio Kimura (Hiroshima U.)

11:30 SECoP - the Sample Environment Communication Protocol **(On-line)** Klaus Kiefer (HZB)

12:10 Lunch ("Bento")

13:10 *AQBRC to MLF (Bus transport)*

13:30 Hands-on training (4)

Grp A: High temperature Y. Sakaguchi

Grp B: Cryogenic M. Ishikado, R. Takahashi, Y. Yamauchi

Grp C: High pressure T. Hattori & A. Sano-Furukawa

Grp D: Pulsed magnet M. Watanabe

15:00 Coffee

15:30 Hands-on training (5)

Grp A: Pulsed magnet M. Watanabe

Grp B: High temperature Y. Sakaguchi

Grp C: SE for soft matter S. Takata, H. Arima, T. Tominaga

Grp D: High pressure T. Hattori & A. Sano-Furukawa

17:00 *MLF to AQBRC (Bus transport)*

18:20 *AQBRC to ZOP (Bus transport)*

19:00 Farewell dinner at ZOP & MEGA DONKI

21:00 *ZOP to AQBRC (Bus transport)*