

Agenda as of 09/13/2022

Focus Sessions Topics (5 to 10 mins overview talks)

Monday 1:30-4:00pm Parallel sessions Hard and Soft Condensed matter

Hard Condensed Matter (C-152) Chair: Gabriele Sala

1:30-2:45

- 4-circle diffractometer FONDER - Hiroyuki Kimura (Tohoku University)
- DEMAND upgrades and future developments – Huibo Cao (ORNL)
- SANS for hard matter - Hazuki Furukawa (Ochanomizu Univ. / RIKEN CEMS)
- STS CHESS – Gabriele Sala (ORNL)

2:45-3:00

Coffee break

3:00-4:00

- Educational use of neutron triple axis spectrometer - Kazuaki Iwasa (Ibaraki University)
- Teaching students TAS techniques using vTAS – Songxue Chi (ORNL)
- Development of pressure cell - Yoshiya Uwatoko (ISSP)

Soft Condensed Matter (C-156) Chair: Lilin He

1:30-2:45

- Soft Matter Sample environments for neutron scattering – Lilin He (ORNL)
- Understanding the arrangement of lipid/surfactant molecules in Bicelles using neutron scattering with contrast variation and deuteration – Wellington Leite (ORNL)
- The role of disordered protein in maintaining cellular structure – Viswanathan Gurumoorthy (ORNL)
- Utilize neutron imaging to study polymer compatibilization – Yuxuan Zhang (ORNL)

2:45-3:00

Coffee break

3:00-4:00

- Spin echo (Oda, instrumental scientist of iNSE)
- Application of machine learning for SANS data analysis - Wei-Ren Chen (ORNL)
- Deconvoluting hierarchical plant cell wall structure using X-rays and Neutrons – Manju S. Mudiyansele (ORNL)
- SANS for soft matter - Rintaro Inoue (Kyoto University)
- STS Centaur – Shuo Qian (ORNL)

Tuesday 1:30-5:00

Instrumentation Chair: Travis Williams

1:30-2:30

- Sample environment in PONTA - Taro Nakajima/ Hiraku Saito (ISSP)
- Double-focusing technology - Taku Sato (IMRAM Tohoku University)
- Implementation of the EPICS control system for GPTAS at JRR-3 – Taku Sato (IMRAM Tohoku University)
- AGNES at JRR-3 – Osamu Yamamuro (ISSP)

2:30-3:00

Coffee break

3:00-4:00

- The Latest Development in Spherical Neutron Polarimetry at ORNL – Jacob Tosada (ORNL)
- ^3He -polarizer program at HFIR – Chenyang Jiang (ORNL)
- Collaboration on Polarized Neutron Scattering (topic from US-Japan meeting)

4:00-4:15

Coffee break

4:15-5:00

- HFIR Beryllium Reflector Replacement (HBRR) project – Matthias Frontzek
- Sample environment developments, possibility for complimentary use (topic from US-Japan meeting)
- Spin echo (Oda, instrumental scientist of iNSE)