

Current and Future Development of Neutron Scattering Techniques for Time-Resolved Studies

SNS: Building 8600 RM C156

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Thursday, October 17, 2019

Time	Topic	Presenter	Place
8:00 – 9:00 am	Registration		Atrium
9:00 – 9:30 am	Opening welcome	Urban Volker	C-156
9:30 – 10:00 am	Resolving the kinetics of temperature-induced polymer phase transitions by time-resolved light- and neutron scattering	Stephan Foerster	C-156
10:00 – 10:30 am	Deep Learning at Scale for Big Data Physics Experiments	Khan Asad	C-156
10:30 – 11:00 am	Break		C-156
11:00 – 11:30 am	Structure and water dynamics by neutron scattering in porous systems	Emiliano Frantini	C-156
11:30 – 12:00 pm	Elucidating the role of time in wood-water interactions	Nayomi Plaza	C-156
12:00 – 12:15 pm	Group Photo	Gen Martin	Lobby
12:15 – 1:30 pm	Working Lunch; Observations of brief forays into time modulated scattering experiments	Michael Fitzsimmons	C-156

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Time	Topic	Presenter	Place
1:30 – 2:00 pm	All-Atom Simulations of Long Timescale Phenomena and the Experimental Verifications	Yang Zhang	C-156
2:00 – 2:30 pm	in-situ and time-resolved X-ray scattering capabilities at the Advanced Light Source	Chenhui Zhu	C-156
2:30 – 3:00 pm	Time-Resolved Neutron Scattering; Current Capabilities and Future Opportunities	Chris Fancher	C-156
3:00 – 3:30 pm	Break		C-156
3:30 – 4:00 pm	Neutron Event Mode and Meta-Data Acquisition Capabilities at ORNL	Andre Parizzi	C-156
4:00 – 4:30 pm	in situ X-ray Scattering Studies on the Structures in Soft Interfaces	Wei Chen	C-156
4:30 – 5:30 pm	Breakout Discussion		C-156
5:30 – 6:00 pm	Summary Presentation	Discussion Leaders	C-156
6:00 – 7:00 pm	Future directions of time-resolved techniques for neutron scattering, Discussion Session Dinner	Discussion Leaders	C-156

Friday, October 18, 2019

Time	Topic	Presenter	Place
8:30 – 9:00 am	Working Breakfast: Summary of Day 1 & Overview for Day 2	Workshop Organizers	C-156

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Friday, October 18, 2019

Time	Topic	Presenter	Place
9:00 –9:30 am	“Time resolved studies of energy storage materials: Challenges and opportunities”	Craig Bridges	C-156
9:30 – 10:00 am	Recent progress in the characterization of industrial alloys by SANS at ORNL	Ken Littrell	C-156
10:00 – 10:30 am	Time-Resolved Neutron Techniques for Transportation Research	Martin Wissink	C-156
10:30 – 11:00 am	Open Discussion		C-156
11:00 – 11:15 am	Close Workshop		C-156
11:15 – 12:00 pm	SNS/ HFIR Tours		SNS/HFIR