

## Science at the Second Target Station Workshop

Spallation Neutron Source Central Laboratory and Office Building, ORNL  
December 9-10, 2019

### Monday, December 9, 2019

Time	Topic	Presenter	Place
7:45-8:30 AM	Registration and Coffee		Lobby
8:30-9:00 AM	Welcome and Workshop Charge	Olivier Delaire (Duke University) Ken Herwig (ORNL)	Iran Thomas Auditorium
9:00-9:45 AM	<b>Plenary talk – (title TBD)</b>	John Hill (Brookhaven National Laboratory)	Iran Thomas Auditorium
9:45-10:30 AM	<b>Soft Matter and the Second Target Station</b>	Tom Russell (University of Massachusetts Amherst)	Iran Thomas Auditorium
10:30-11:00 AM	Break and Discussion		Lobby
11:00 AM-12:45 PM	<b>Breakout Session 1</b>	<b>Chairs</b>	
	Biology	Gloria Borgstahl (University of Nebraska Medical Center) Yun Liu (NIST Center for Neutron Research and University of Maryland)	TBD
	Engineering Materials and Industrial Applications	Adrian Brügger (Columbia University) Cev Noyan (Columbia University)	TBD
	Environmental Science	Eric Pierce (ORNL) Claire White (Princeton University)	TBD
	Fundamental Physics	Leah Broussard (ORNL)	TBD
	Materials Discovery and Characterization	Efrain Rodriguez (University of Maryland) Weiwei Xie (Louisiana State University)	TBD
	Quantum Materials	Stephan Rosenkranz (Argonne National Laboratory) Stephen Wilson (UC Santa Barbara)	TBD
	Soft Matter	Alexi Sokolov (University of Tennessee - Knoxville) Gerald Schneider (Louisiana State University)	TBD
12:45-1:15 PM	Break to collect box lunches		Lobby

ORNL IS MANAGED BY UT-BATTELLE, LLC FOR THE US DEPARTMENT OF ENERGY

	Return to breakout session rooms		
1:15-3:00 PM	<b>Breakout Session 2</b>	See above for chairs and locations	
3:00-3:30 PM	Break and Discussion		Lobby
3:30-4:15 PM	<b>Artificial Intelligence/Machine Learning (title TBD)</b>	Tony Hey (Rutherford Appleton Laboratory STFC)	Iran Thomas Auditorium
4:15-5:00 PM	<b>Artificial Intelligence/Machine Learning Townhall Discussion</b>	Moderator: Yang Zhang (University of Illinois at Urbana-Champaign)	Iran Thomas Auditorium
5:00-7:00 PM	Poster Session Reception		Atrium and Lobby
<b>Tuesday, December 10, 2019</b>			
8:00-8:30 AM	Coffee and Discussion		Lobby
8:30-9:00 AM	<b>Day 1 Outcomes</b>		Iran Thomas Auditorium
9:00-10:30 AM	<b>Breakout Session 3</b>	See above for chairs and locations	
10:30-11:00 AM	Break and Discussion		Lobby
11:00-12:00 PM	<b>Breakout Session 4</b>	See above for chairs and locations	
12:00-12:30 PM	Break to collect box lunches Return to breakout session rooms		Lobby
12:30-1:00 PM	<b>Breakout Session 4 (continued)</b>	See above for chairs and locations	
1:00-3:15 PM	<b>Summary of Breakout Sessions</b>	Chair: Martin Mourigal (Georgia Institute of Technology)	Iran Thomas Auditorium
	Biology (15 min.) Engineering Materials and Industrial Applications (15 min.) Environmental Science (15 min.) Fundamental Physics (15 min.) Materials Discovery and Characterization (15 min.) Quantum Materials (15 min.) Soft Matter (15 min.)		
3:15-3:45 PM	Next Steps	Olivier Delaire (Duke University) Ken Herwig (ORNL)	Iran Thomas Auditorium