8:30—8:40	Subramanian KRS Sankaranarayanan (Argonne National Laboratory) *Introductory Remarks*
8:40—9:20	Aidan Thompson (Sandia National Laboratory) *Automated Generation of High-accuracy Interatomic Potentials Using Quantum Data*
9:20—10:00	Andrew Ferguson (University of Illinois, Urbana-Champaign) *Nonlinear Machine Learning in Soft Materials Engineering and Design*
10:00—10:20	Break
10:20—11:00	Charles A. Bouman (Purdue University) *Integrating Physical and Learned Models in Imaging Science*
11:00—11:40	Youssef Nashed (Northwestern University) *Learning Ptychographic Reconstruction with Backpropagation*
11:40—1:00	Lunch
1:00—1:40	Aggelos Katsaggelos (Northwestern University) *Machine Learning Approaches for Solving Inverse Problems*
1:40—2:20	Rafael Jaramillo (Massachusetts Institute of Technology) *Why and How to Continuously Publish Experimental Workflow in Materials Science*
2:20—2:40	Break
2:40—3:20	James Rondinelli (Northwestern University) *Learning from Data to Design Functional Noncentrosymmetric Complex Oxides*
3:20—4:00	Turab Lookman (Los Alamos National Laboratory) *From Data to Materials Discovery: Challenges in Learning and Design*
4:00—4:30	Closing Remarks and Discussion