

Virtual Workshop on Artificial Intelligence for Accelerated Materials Design in Extreme Conditions

Day 1 – January 13, 2021: Applications of Materials under Extreme Conditions

- 12:00 Introductions
- 12:20 Christopher Schuh (Massachusetts Institute of Technology)
- 1:00 Tony Rollett (Carnegie Mellon University)
- 1:40 Rusty Gray (Los Alamos National Laboratory)
- 2:20 Break
- 2:40 Federica Coppari (Lawrence Livermore National Laboratory)
- 3:20 Guruswami Ravichandran (California Institute of Technology)
- 4:00 Panel Discussion
Panel Chair: Bill Carter (Defense Advanced Research Projects Agency)
Panelists: Ryan Crum (Lawrence Livermore National Laboratory), Scott Schoenfeld (Army Research Laboratory)
- 5:00 Adjourn

Day 2 – January 14, 2021: Tools for Accelerated Material Discovery

- 12:00 Rebecca Lindsey (Lawrence Livermore National Laboratory)
- 12:40 George Karniadakis (Brown University)
- 1:20 Christopher Stiles (Applied Physics Laboratory)
- 2:00 Raymundo Arróyave (Texas A&M University)
- 2:40 Break
- 3:00 Christopher Wolverton (Northwestern University)
- 3:40 Panel Discussion
Panel Chair: Yannis Kevrekidis (Johns Hopkins University)
Panelists: Brian Barnes (Army Research Laboratory) and Stefano Curtarolo (Duke University)
- 4:40 Adjourn

Day 3 – January 15, 2021: High-throughput Experiments/Characterization

- 12:00 Alfred Ludwig (Bochum University)
- 12:40 Ichiro Takeuchi (University of Maryland)
- 1:20 Dana D. Dlott (Illinois University)
- 2:00 Elizabeth J. Opila (University of Virginia)
- 2:40 Break
- 3:00 Surya Kalidindi (Georgia Institute of Technology)
- 3:40 Panel Discussion
Panel Chair: Mitra Taheri (Johns Hopkins University)
Panelists: Saryu Fensin (Los Alamos National Laboratory), KT Ramesh (Johns Hopkins University)
- 4:40 Adjourn