Illustration by Fred Zietz, NREL

Machine Learning and Batteries
March 23–25, 2021

Machine learning techniques have shown promise for facilitating fast prognostics, guiding the design of electrode architectures, and improving the safety of lithium-ion batteries. This workshop will focus on current state-of-the-art applications in these research areas and will feature speaker presentations and workshop discussion sessions to determine ways to accelerate the application of machine learning for batteries.

Register here: **https://bit.ly/3sZWx7f**

Tuesday, March 23	**Microstructure Design and Continuum Modeling**	*Chair: Mike Toney, Colorado University Boulder*
8:30 a.m.–10:30 a.m. MT	Kandler Smith, National Renewable Energy Lab (NREL)
	Alejandro Franco, Universite de Picardie Jules Verne
	Sam Cooper, Imperial College London
	Martin Bazant, Massachusetts Institute of Technology
10:30 a.m.–11:30 a.m. MT	Group Discussion

Wednesday, March 24	**Performance Predictions**	*Chair: Eric Dufek, Idaho National Laboratory*
8:30 a.m.–10:30 a.m. MT	Dhammika Widanalage, University of Warwick
	Will Chueh, Stanford
	Michael Pecht, University of Maryland
	Paul Gasper, NREL
10:30 a.m.–11:30 a.m. MT	Group Discussion

Thursday, March 25	**Safety**	*Chair: Will Walker, NASA*
8:30 a.m.–10:30 a.m. MT	Andreas Pfrang, EU Commission
	Jun Xu, University of North Carolina at Charlotte
	Juner Zhu, Massachusetts Institute of Technology
	Donal Finegan, NREL
10:30 a.m.–11:30 a.m. MT	Group Discussion

For more information visit: **nrel.gov/transportation/machine-learning-for-advanced-batteries.html**