

MateriALZ Seminar Series

Dear colleagues,

We are excited to announce a new lecture series in the broad field of Materials Science jointly organized by the major/leading Arizona universities. The series will launch in the fall of 2020 and will be held fully online. We will organize weekly seminars with a rotating schedule of eminent scientific leaders from AZ and other high-profile universities, national labs and industry. The following four major categories will be covered in this series:

1. Topological materials, quantum materials
2. Materials theory modeling, and informatics
3. Materials, energy and manufacturing
4. Soft matter, polymers, biomaterials

Student engagement: Each talk will be followed by an interactive session between the speaker and UA/ASU students, that is facilitated by the organizers allowing the students to engage with the speaker.

Broader impact: The seminars will be 'live' on Zoom or Teams, with the password available on request (contact elsam@arizona.edu). Further, each seminar will be recorded and published on a *youtube* channel, once the consent of the speaker is obtained.

The goals of this lecture series are

- to create a platform for active discussions in the different areas of materials science,
- to increase students' engagement in discussions with experts in their field,
- to facilitate networking between the speakers, attendees, researchers at the Arizona universities and the students,
- to increase the nation-wide and international visibility of the Arizona universities,
- to promote active collaborations and networks between the Arizona universities.

We are certain that this series will be a long-term event with many benefits and we hope you will support us in our efforts.

Stay Tuned!

Christina Birkel, Erica Corral, Kumar Ankit, Krishna Muralidharan

A list of confirmed speakers is given below: we will update the roster as and when we receive confirmation from other invited speakers.

CONTACT: ELSAM@ARIZONA.EDU FOR ANY QUERIES			
Marius Stan	Argonne National Labs	09/18/20	Understanding Materials: Humans and Machines
Todd Palmer	Penn State University	09/25/20	Impact of Metal Powders Feedstock on the Properties & Performance of Additively Manufactured Materials
J. Hunter Martin	HRL Laboratories	10/02/20	Linking Microstructure Control and Additive Manufacturing
Donald Godfrey	SLM Solutions Group	10/09/20	Additive Manufacturing: Challenges and Opportunities- An Industry Perspective
Sergei Tretiak	Los Alamos National Labs	10/16/20	Machine Learning for Chemical Properties and Materials
Eric Taleff	University of Texas	10/23/30	Retrogression Forming and Reaging of High-strength Aluminum Alloys
Serena Corr	University of Sheffield	10/30/20	Designing Synthetic Strategies and In Situ Monitoring for Next-generation Battery Materials
John Schaibley	University of Arizona	11/06/20	Excitons in 2D Semiconductor Heterostructures
Ibrahim Karaman	Texas A&M University	11/13/20	4-D Printing via Metal Additive Manufacturing
Amit Misra	University of Michigan	11/20/20	Interface-

			Microstructure-Enabled Mechanical Behavior of Metallic Nanocomposites
Stephen Cluff	Army Research Labs	12/04/20	Characterization and Modeling of AF9628 Steel Manufactured via Laser Powder-bed Fusion
Oliver Monti	University of Arizona	01/22/21	
John Carpenter	Los Alamos National Labs	01/29/21	
Peter Crozier	Arizona State University	02/05/21	
Anthony Rollett	Carnegie-Mellon University	02/12/21	
Claire White	Princeton University	02/19/21 (tentative)	
Durga Ananthanarayanan	KTH Royal Institute of Technology	02/26/21	
Andelle Kudzal	Army Research Labs	03/05/21	
Spring Break			
Sabyasachi Sen	University of California, Davis	03/19/21	
Veronica Augustyn	North Carolina State University	03/26/21	
Ulrike Kramm	Technische Universität Darmstadt	04/02/21	
Kevin Grossman	NASA-Kennedy Space Center	04/09/21	