National Workshop:  
RESILIENT SUPPLY OF CRITICAL MINERALS  
April 26-27, 2021  
Missouri S&T Campus | Rolla, Missouri

Keynote Presentations and Speakers

“The implications of technological innovations for critical mineral supply chains”  
Thomas E. Graedel  
School of Forestry & Environmental Studies, Yale University

“Global rare earth politics: A pathway forward”  
Julie M. Klinger  
Department of Geography and Spatial Sciences, University of Delaware

“The critical mineral potential of the United States and USGS efforts to facilitate new mineral resource discovery”  
Michael J. Magyar  
National Minerals Information Center, U.S. Geological Survey

“Critical mineral resources and the challenges to providing them into America’s supply chain”  
Jerry Pyatt  
President and CEO, Doe Run Company

“USGS’ material flow modeling that it uses for criticality assessment and the role of recycling and reprocessing in determining criticality”  
Nedal T. Nassar  
National Minerals Information Center, U.S. Geological Survey

“The Illicit Economy and the Role of Critical Minerals”  
Jon J. Kellar  
Douglas Fuerstenau Professor of Materials and Metallurgical Engineering, South Dakota School of Mines and Technology

“Mineral resources for the energy transition: research needs for assuring resilient supply chains”  
Roderick G. Eggert  
Critical Materials Institute, Colorado School of Mines

Topical Sessions:
- Research needs to increase critical mineral discovery and source diversification
- Research needs to improve critical mineral recycling and reprocessing technologies
- Research needs to establish technological alternatives to critical minerals
- Research needs to understand and address supply chain & policy issues

Panel Discussions:
- How to grow the American critical minerals workforce?
- What determines criticality?

Registration Opens February 1, 2021  
Early Bird Deadline March 15  
Along with registration, participants are encouraged to submit abstracts for oral (5 minute) or poster presentations in one of the workshop’s topical areas.  
Deadline to submit abstracts is April 1, 2021

Travel Grants Available  
A limited number of travel stipends will be offered with priority given to presenting students and early career researchers.  
Travel Grant applications will open on January 15 (deadline: February 28, 2021)  
Please see website to register and apply criticalminerals.mst.edu

Questions?
Technical Contact  
Marek Locmelis  
573-341-4759 | locmelism@mst.edu  
GGPE.MST.EDU

Registration & Logistics Contact  
Stacey Fuller  
Energetic Materials, Rock Characterization and Geomechanics Research Center (EMRGe)  
573-341-4365 | EMRGe@MST.EDU  
EMRGe.MST.EDU

LEARN MORE & TO REGISTER  
criticalminerals.mst.edu