



*Join the fission reactor materials community in Pittsburgh for the second installment of MiNES.*

**Abstract Submission  
Deadline: April 2, 2021**

## MiNES 2021: Submit an Abstract!

**SEPTEMBER 19-23, 2021**

**Omni William Penn Hotel  
Pittsburgh, Pennsylvania, USA**

Continue the work and dialogue begun at MiNES 2019 at the 2021 iteration of this new forum established to serve the fission reactor materials community. Topics to be explored will include:

- Fundamental Irradiation Damage (e.g., ion irradiation, defect evolution, microstructural investigations)
- Evolution of Material Properties (e.g., bulk versus small-scale properties, mechanical behavior, in-situ mechanical testing, changes in thermal properties, changes in properties under irradiation)
- Integrated Phenomena in Reactor Materials (e.g., irradiation creep, IASCC)
- Advanced/Novel Materials (e.g., materials development, materials qualification, preliminary irradiation studies)
- Fuels and Actinide Materials (e.g., novel fuel types, U-Mo, TRISO, metallic fuels)
- Nuclear Fuel Cycles (e.g., fuel production, handling, reprocessing)

The MiNES conference series grew out of two biannual symposia: Microstructure Processes in Irradiated Materials (MPIM) held at the TMS Annual Meeting & Exhibition and Nuclear Fuel and Structural Materials (NFSM) held at the ANS Annual Meeting.

### CONFERENCE SPONSORS AND ORGANIZERS

MiNES 2021 is sponsored by the TMS Structural Materials Division and the TMS Nuclear Materials Committee, and is being organized by the following individuals:

**Todd Allen**  
General Chair  
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**Clarissa Yablinsky**  
Technical Chair  
Los Alamos National Laboratory

**Anne Campbell**  
Assistant Technical Chair  
Oak Ridge National Laboratory, USA

**Janelle Wharry**  
2019 General Chair  
Purdue University

The conference takes place biannually, with TMS and ANS alternating sponsorship.

**TMS**  
The Minerals, Metals & Materials Society



**"MiNES will establish a home for the nuclear and irradiated materials community."**

— **Janelle Wharry**, Purdue University,  
MiNES 2019 General Chair