

JOM Call for papers

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Manuscript Deadline: *May 1, 2024*

Irradiation Testing: Facilities, Capabilities, and Experiment Designs

Irradiation testing is integral to the development and acceptance of materials and components intended for radiation environments. Irradiation testing addresses a broad array of concerns ranging from the validation of models describing irradiated material behavior to providing proof-of-concept information to justify further development by industry or acceptance by regulatory authorities. The aim of this special topic is to highlight facilities with irradiation testing capabilities that enable data collection from materials exposed to neutron, proton, ion, or gamma irradiation. Topics of interest include irradiation vehicle design, in-situ monitoring and control, irradiation facility capabilities, experimental design, and post-irradiation examination capabilities.

Original research papers should be 3,000-9,000 words with up to 12 figures maximum; review papers should be 6,000-11,000 words with up to 20 figures maximum.

Detailed author instructions are available at:
<http://www.tms.org/AuthorTools/>

Keywords for this topic: *Advanced Materials; Characterization; Mechanical Properties; Modeling and Simulation; Nuclear Materials*

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Committee Sponsor(s): *Nuclear Materials; Mechanical Behavior of Materials; Advanced Characterization, Testing, and Simulation*

If you are interested in submitting a paper, upload your manuscript at
<https://www.editorialmanager.com/jomj/>

Please note that all submissions will be subject to peer review. Submission does not guarantee acceptance.

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