
CALL FOR PAPERS: SPECIAL ISSUES ON MECHANICS OF ELECTROCHEMICAL ENERGY STORAGE AND CONVERSION

Journal of Electrochemical Energy Conversion and Storage (JEECS) Applied Mechanics Reviews (AMR)

Advances in electrochemical energy storage and conversion play a critical role in developments required to meet the rising energy demand of the world in a sustainable way. The emerging field of electro-chemo-mechanics, the interplay of mechanics and electrochemistry, is crucial for understanding the coupled physiochemical processes in a wide range of energy technologies, including rechargeable batteries, capacitors, photoelectrochemical cells, electrolyzers, and fuel cells. Electrochemical phenomena influence the mechanical response, for example by inducing deformation and regulating fracture initiation/propagation. Conversely, mechanical phenomena influence electrochemical properties such as device reliability, efficiency, and durability.

Special issues of JEECS (open submission) and AMR (by invitation only) aim to collect original research articles, technology reviews, and comprehensive scientific reviews concerned with recent advances in electro-chemo-mechanics and its future directions. Topics of interest include theoretical, experimental, and/or computational studies of relevant phenomena across all scales occurring in electrochemical energy storage and conversion.

JEECS Special Issue Tentative Publication Schedule:

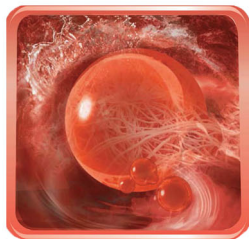
Open to submissions: **November 15, 2020**
Submission deadline: **March 30, 2021**
1st reviews completed: **April 30, 2021**
Publication date: **November 2021**

Standard Submission Instructions:

Journal of Electrochemical Energy Conversion and Storage: Open submission of research papers, perspectives, and review papers are welcome. Papers should be submitted electronically at journaltool.asme.org. On the **Paper Submittal** page, select the *Journal of Electrochemical Energy Conversion and Storage*, and then select the Special Issue **Mechanics of Electrochemical Energy Storage and Conversion**. Papers received after the submission deadline or papers not selected for inclusion in the Special Issue may be accepted for publication in a regular issue. *Applied Mechanics Reviews*: Only invited papers will be published in the special issue. Unsolicited review papers may be considered for publication in a regular issue.

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