

THE WORLD COMES HERE.  
**TMS2024**  
153<sup>rd</sup> Annual Meeting & Exhibition

MARCH 3–7, 2024  
HYATT REGENCY ORLANDO  
ORLANDO, FLORIDA, USA  
#TMSAnnualMeeting



SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2024 SYMPOSIUM:

ELECTRONIC, MAGNETIC, AND ENERGY MATERIALS

**HIGH TEMPERATURE  
ELECTROCHEMISTRY: AN FMD  
SYMPOSIUM HONORING UDAY B. PAL**



The symposium will cover fundamentals and applications of high-temperature electrochemistry, including using I-V, Electrochemical Impedance Spectroscopy (EIS), and Distribution of Relaxation Times (DRT) data to understand polarization losses, reaction mechanisms, and device degradation; electrochemical behavior of solid oxide fuel cells and electrolyzers; green engineering as applied to energy conversion and primary production of materials; solid-oxide-membrane based electrolytic cells for converting waste to hydrogen; hydrogen storage materials; devices based on mixed-ion-electron-conducting (MIEC) oxide membranes for generating and separating pure hydrogen from hydrocarbons enabling CO<sub>2</sub> sequestration; and electrochemical processes for recovery of critical materials.

**ORGANIZERS**

**Soumendra Basu**, Boston University, USA  
**Srikanth Gopalan**, Boston University, USA  
**Adam Powell**, Worcester Polytechnic Institute, USA  
**Filippos Patsiogiannis**, Bridgnorth Aluminium Ltd,  
United Kingdom  
**Xiaofei Guan**, ShanghaiTech University, China

**SYMPOSIUM SPONSORS**

TMS Functional Materials Division  
TMS Energy Conversion and Storage Committee

[www.tms.org/TMS2024](http://www.tms.org/TMS2024)

**QUESTIONS?**  
Contact [programming@tms.org](mailto:programming@tms.org)