

THE WORLD COMES HERE.
TMS2024
153rd Annual Meeting & Exhibition

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



SUBMIT AN ABSTRACT FOR THE FOLLOWING TMS2024 SYMPOSIUM:

BIOMATERIALS

**MATERIALS SCIENCE FOR GLOBAL
DEVELOPMENT—HEALTH, ENERGY,
AND ENVIRONMENT: AN SMD
SYMPOSIUM IN HONOR OF WOLE
SOBOYEJO**



This symposium will honor Professor Wole Soboyejo for his significant contributions to materials science and global development. In his research, Professor Soboyejo used materials science and technology to address global grand challenges in the areas of human health, sustainable energy, clean water, affordable housing, and education for people in the developing world. This symposium will provide an opportunity for scientists, engineers, educators and students to discuss the current interest and progress in advanced structural and functional materials that are relevant to global challenges and international development. Presentations on experimental, theoretical, and computational research are solicited.

Topics of interest include, but are not limited to:

- Fracture and fatigue behaviors of materials
- Materials science and technology for disease detection and treatment
- Characterization of the mechanical properties of biological cells
- Design and fabrication of next generation solar cells, LEDs, batteries and super capacitors
- Robust sustainable materials for water purification and green buildings
- Materials science education, outreach, and international development

ORGANIZERS

Jing Du, Pennsylvania State University, USA

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Jingjie Hu, North Carolina State University, USA

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SYMPOSIUM SPONSORS

TMS Functional Materials Division

TMS Structural Materials Division

TMS: Biomaterials Committee

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