

TMS2016

145th Annual Meeting & Exhibition

FEBRUARY 14-18 DOWNTOWN NASHVILLE,
TENNESSEE MUSIC CITY CENTER

Connecting the Global Minerals, Metals, and Materials Community.



Recent Developments in Biological, Structural, and Functional Thin Films and Coatings

Functional thin films and coatings continue to be an innovative area in materials science and engineering. For example, novel thin films and coatings are being developed with unusual structural, abrasive, adaptive, bioactive, self-healing, and optical properties. The objective of this symposium is to provide a forum to identify critical problems, stimulate new ideas, provide promising solutions, and discuss fundamental and applied topics.

The specific areas of interest for this symposium include:

- Development of novel thin film and coating methods
- Functional thin films and coatings for structural, biological, electrical, optical, and other applications
- Characterization of thin films and coatings for aerospace, defense, energy, and transportation applications
- Novel approaches to prevent corrosion and wear
- Novel methods for self-healing, self-assembly, and self-repair
- Innovative biosensors and bioelectronics
- Bioenabled electronic and energy systems

Organizers include:

Nancy Michael, University of Texas at Arlington (USA)

Adele Carrado, IPCMS (France)

Heinz Palkowski, Clausthal University of Technology (Germany)

Nuggehalli Ravindra, New Jersey Institute of Technology (USA)

Chintalapalle Ramana, University of Texas at El Paso (USA)

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