

# TMS2015

144<sup>th</sup> Annual Meeting & Exhibition

March 15-19, 2015 • Walt Disney World  
Orlando, Florida, USA

*Connecting the global minerals, metals, and materials community.*



## **Plan Now to Attend:**

### **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 & 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 include but are not limited to:

- 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 (joint session with the Biological Materials Science symposium)
- Bioenabled electronic and energy systems (joint session with the Biological Materials Science symposium)

#### **Sponsored by:**

- TMS Functional Materials Division (formerly EMPMD)
- Thin Films and Interfaces Committee

#### **Organized by:**

Nancy Michael, University of Texas at Arlington (USA)  
Adele Carrado, IPCMS (France)  
Heinz Palkowski, Clausthal University of Technology (Germany)  
Roger Narayan, University of North Carolina (USA)  
Nuggehalli Ravindra, New Jersey Institute of Technology (USA)

**For more information on how to participate, visit:**

[www.tms.org/TMS2015](http://www.tms.org/TMS2015)

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