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TMS2019
148th Annual Meeting & Exhibition

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March 10–14, 2019
San Antonio, Texas, USA

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BIOMATERIALS

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, as well as discuss fundamental and applied topics.

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
- bioenabled electronic and energy systems

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Nearly 4,000 presentations are planned
at more than 80 symposia at TMS2019.

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