



Call for Papers

SMART COATINGS 2011

February 23-25, Orlando, Florida

Coatings, polymers and related materials continue to be an innovative area in research and technology. Smart materials: adaptive, responsive, bioactive, photonics and nanotechnology-based coatings are becoming the norms of the industry.

The objective of this symposium is to provide a forum to stimulate new ideas, present and discuss fundamental and applied science of smart coatings, identify critical problems, provide promising solutions, and assess possible roadmaps.

Contributions are sought in all areas of smart materials, including, but not limited to:

Stimuli responsive

Coatings functioning as sensors
Thermochromic materials
Superhydrophobic/hydrophilic
Photo-responsive coatings
Pressure-responsive coatings

Smart materials and coatings

Self-repair/self-healing coatings
Hybrid inorganic/organic coatings
Conductive organic materials
Thin film depositions
Color shifting coatings

Nanotechnology-based coatings

Self-assembling polymers and coatings
Photonics
Molecular electronics
Drug delivery and imaging

Bioactive materials and coatings

Antimicrobial materials
Biosensors
Molecular diagnostics
Antifouling coatings

Abstract Submission and Additional Meeting Information **Deadline: August 20.**

Please submit abstract to: jbaghdach@emich.edu

Co-Chairs:

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Prof. T. E. Long, Virginia Tech
Dr. P. Zarras, NAVAIR-WD

The submitted full papers will be published in the **American Chemical Society Symposium Series.**

www.smartcoatings.org