



# TMS 2011

## 140th Annual Meeting & Exhibition

February 27 to March 3, 2011

San Diego Convention Center • San Diego, California USA

### Biomimetic Materials Workshop *at the San Diego Zoo*

Sunday, February 27, 8:30 am to 5:30 pm.

#### Overview

Most biological (natural) materials are composites with sophisticated microstructure and remarkable properties, which have risen from hundreds of millions of years of evolution. The distinguishing characteristics, such as self-assembly, structural hierarchy, multi-functionality, and environmental adaptability, have continued to inspire scientists and engineers in the design of novel materials with superior properties.

Biomimetic material is a new and growing field in materials research and has attracted increasing attention in recent years. This interdisciplinary workshop will offer the opportunity to present and discuss the latest studies and achievement in this area. This event will be held in the world famous San Diego Zoo with exciting animal encounters and behind the scene tour.

#### Who should attend?

The workshop is designed for researchers and engineers from multidisciplinary areas who are interested in nature-inspired innovations.

#### Topics

- Structural biological materials
- Functional biological materials
- Bio-inspired synthetic materials
- Molecular-based biomimetics
- Novel biomimetic innovations
- Animal encounters and behind the scene tours

#### Speakers

**Robert O. Ritchie**, Professor, Department of Materials Science and Engineering, University of California, Berkeley

**Marc A. Meyers**, Professor, Department of Mechanical and Aerospace Engineering, University of California, San Diego

**Joanna McKittrick**, Professor, Department of Mechanical and Aerospace Engineering, University of California, San Diego

**Candan Tamerler**, Professor, Department of Molecular Biology and Genetics, Istanbul Technical University

#### How to Register

This lunchtime workshop is included in the conference registration fees. If you've not yet registered for the conference, you can do so by visiting the [online registration form](http://www.tms.org). Cost per attendee (including facilities, admission and food/drink): \$125 for members and \$175 for non-members.

#### For More Information

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