

大師講堂 2016/11/10 (四)

Prof. Robert O. Ritchie

H. T. & Jessie Chua Distinguished Professor of Engineering

Professor of Materials Science & Engineering

Professor of Mechanical Engineering

University of California, Berkeley

美國國家工程院院士

Web: <http://www2.lbl.gov/ritchie/index.html>



Title: Damage Tolerance in Structural and Biological Materials

Over the past decades Prof. Robert O. Ritchie has been studying the failure of a wide class of materials. His main contributions have focused on the microstructural mechanisms by which structural materials resist fracture and fatigue. Here at the Materials Sciences Division at the Lawrence Berkeley National Laboratory and the Materials Science and Engineering Department at the University of California, Berkeley, the Ritchie Group investigates the mechanical behavior of metals, ceramics as well as composites and biological materials on different length scales.

Prof. Marc A. Meyers

Distinguished Professor

Department of Mechanical & Aerospace Engineering

Department of Nanoengineering

Materials Science and Engineering Program

University of California, San Diego

Web: <http://meyersgroup.ucsd.edu/>



Title: Biological Materials Science: Challenges and Opportunities

Prof. Meyers studies and writes about the dynamic behavior of materials, synthesis, processing, impact testing, and characterization of new materials. He also studies the properties of biological materials, and in particular the protective coverings of animals. Abalone shells, toucan beaks, the scales of exotic fish, feathers, piranha teeth, rabbit skin, boxfish, turtle and armadillo carapaces, and pangolin scales are some of the biological materials studied by his group.

Agenda

09:45 - 10:00 Registration

10:00 - 10:50 Prof. Robert O. Ritchie's talk/discussion

10:50 - 11:10 Coffee break

11:10 - 12:00 Prof. Marc A. Meyers's talk/discussion

Location: 國家地震工程研究中心 1F 國際會議廳 (台北市大安區辛亥路三段 200 號)

<http://www.ncree.org/Ncree.aspx?id=7>

Chair: Prof. Chuin-Shan David Chen, Dept. of Civil Engineering, National Taiwan University

Contact: 賴銘鋒先生, Tel: 02-3364314, Email: peter@caece.net

[點我報名](#)