



Università degli Studi di Roma “Tor Vergata”

Dipartimento di Scienze e Tecnologie Chimiche

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AVVISO DI SEMINARIO

Lunedì 5 Giugno alle ore 11.00
Aula Seminari

Prof. Steve McIntosh

Department of Chemical & Biomolecular Engineering
Lehigh University
Pennsylvania, USA

Terrà un seminario dal titolo:

**Functional Materials for Energy Systems: From Ionic
Transport to Biomineralization**

Proponente: Prof. Elisabetta Di Bartolomeo



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Abstract:

Functional Materials for Energy Systems: From Ionic Transport to Biomineralization

Prof. Steve McIntosh

Department of Chemical & Biomolecular Engineering

Lehigh University

Pennsylvania, USA

The McIntosh group focuses on the development of functional materials in energy systems. As opposed to structural materials, functional materials interact with their environment to provide a useful function, be it ionic transport and catalysis in a fuel cell, or light harvesting in a solar cell. In this talk, McIntosh will focus on two specific areas: the use of *in-situ* powder neutron diffraction techniques to probe ionic transport in materials for solid oxide fuel cells, and biomineralization as a route to the green synthesis of functional nanomaterials.