

Preparative Strategies in Solid State and Materials Chemistry

A UCSB-ICMR Summer School for Advanced PhD Students

August 8–21, 2010, University of California, Santa Barbara

The Summer School on Preparative Strategies in Solid State and Materials Chemistry is aimed at future leaders of Materials Science: proponents of the idea that the selection of materials for specific functions should depend solely on which material is optimal, rather than on any specific preparative skill-set. Candidate attendees are students close to finishing their PhD, and whose research is principally concerned with materials preparation. In addition, candidates for the school are expected to display strong curiosity into materials classes that may lie outside their domain of familiarity.

Partial list of tutorial topics and speakers:

Bioconjugate Materials	Heather Maynard (UCLA)	Branched Polymers	S. Ramakrishnan (IISc)
Correlated Oxides	Zenji Hiroi (Tokyo)	Extended Hybrids	Tony Cheetham (Cambridge)
Hydrothermal Techniques	Catherine Oertel (Oberlin)	Ionic Conductors	Sossina Haile (Caltech)
Main Group Compounds	Athena Sefat (ORNL)	Metal-Organic Frameworks	Jeff Long (Berkeley)
Molecular Machines	Miguel García-Garibay (UCLA)	Nanomaterials	Delia Milliron (Molecular Foundry)
Nitrides and Oxynitrides	Amparo Fuertes (Barcelona)	Peptide Materials	Tim Deming (UCLA)
Phosphorescent Molecules	Mark Thompson (USC)	Nanoporous materials	Ryong Ryoo (KAIST)

Organisers: **Ram Seshadri** Materials Department, and Department of Chemistry and Biochemistry, UCSB
Fred Wudl Department of Chemistry and Biochemistry, and Materials Department, UCSB
Brad Chmelka Department of Chemical Engineering, UCSB

Applying to the school (deadline, 26 February, 2010):

Please find instructions and more information, including the latest version of this document, at www.icmr.ucsb.edu/programs/solidstate.html. Room, board, and partial travel support will be provided to all selected participants.

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