

**INTERNATIONAL CENTER FOR MATERIALS RESEARCH SUMMER SCHOOL ON  
STEREOCHEMICAL ASPECTS OF NOVEL MATERIALS**

August 14 – August 27, 2005  
University of California  
Santa Barbara, California

The International Center for Materials Research (ICMR) is organizing a residential, two-week summer school on Stereochemical Aspects of Novel Materials from August 14<sup>th</sup> to August 27<sup>th</sup>. The school will take place on the UCSB campus. It will be directed by Fred Wudl (UCLA) and Miguel Garcia-Garibay (UCLA).

Topics to be covered in the school are Stereochemical aspects in materials science, including issue of relevance to organic chemistry, materials morphology, and solid-state physics. A selected list of stereochemical properties that are important in materials science include polymorphism in crystals and polymers, the formation of bulk polar systems, strategies that render materials acentric for second order nonlinear optical applications, and novel switching strategies based on liquid crystals with energetically proximate ferroelectric and antiferroelectric states.

**Accommodation and Travel Information:**

Lodging and meals will be provided for the duration of the activity, beginning with dinner on Sunday, August 14<sup>th</sup> and ending with breakfast on Saturday, August 27<sup>th</sup>. Students from the US may be reimbursed for travel expenses of up to a maximum of \$500 and students from elsewhere may be reimbursed for travel expenses of up to a maximum of \$1000 for travel expenses.

**Guidelines for submitting an application:**

We welcome applications from advanced undergraduate students, graduate students, post doctoral fellows and young researchers, including early career faculty. Undergraduate students applicants are expected to be familiar with basic aspects of stereochemistry, physical organic, solid state and polymer chemistry.

Applicants should follow application instructions presented on the ICMR website: <http://www.icmr.ucsb.edu/schools.html>. For further details, please contact the ICMR Program Coordinator, Jennifer Ybarra at [Ybarra@icmr.ucsb.edu](mailto:Ybarra@icmr.ucsb.edu).

**The deadline for application is April 15, 2005.**

*ICMR Summer School on Stereochemical  
Aspects of Novel Materials*

*International Center for Materials Research*

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**PRELIMINARY LIST OF LECTURERS**

**Pedro Aramendia**

Universidad de Buenos Aires

**Teresa D. Z. Atvars**

UNICAMP

**Eduardo S. Bustamante**

Universidad de Chile

**Fabio Cukiernik**

Universidad de Buenos Aires

Comision Nacional de Energía Atómica

**Gautam Desiraju**

University of Hyderabad

**Mark Hollingsworth**

Kansas State University

**Masahiro Irie**

Kyushu University

**Bart Kahr**

University of Washington

**Bob Lemieux**

Queens University, Canada

**Michael McBride**

Yale University

**Collin Nuckolls**

Columbia University

**Bernabe Rivas**

Universidad de Concepción, Chile

**Jay Siegel**

University of Zurich

**Illia Galo Soler**

Universidad de Buenos Aires

**Fumio Toda**

Okayama University of Science

**Jaume Veciana**

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**David Walba**

U of Colorado, Boulder

**R. Weiss**

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