

ICYS – ICMR Summer School on Nanomaterials 2007

Jointly with the International Center for Materials Research at the University of California, Santa Barbara (ICMR/UCSB), which is an all-inclusive research collaboration institution, ICYS held the ICYS-ICMR Summer School on Nanomaterials 2007 at the NIMS Sengen site from July 23 to 28, 2007. This was the second time since last year for fostering young researchers and building international networks among them.

This year, 15 prominent researchers in nanomaterials were invited as lecturers, and a total of 58 graduate students and young researchers were invited from 14 countries (26 from Japan; 15 from the United States; 2 each from Ireland, Czech Republic, Canada, Puerto



Rico, India, Thailand, and Korea; and 1 each from Singapore, Vietnam, and China). The

participants attended lectures on most advanced researches, made oral and poster presentations, and joined in lively discussions. Seventy-nine ICYS research fellows and NIMS researchers also participated. Having

stayed in shared rooms at Ninomiya House for a week, the participants got to know each other well. Several entertainment programs were also offered during the Summer School, e.g., laboratory tours, Japanese culture lessons (tea ceremony, *Origami* (paper-folding), and *Wadaiko* (traditional Japanese drums)), and a beer party.

The results of a questionnaire survey of the Summer School participants were as follows: 1) The overall satisfaction averaged 4.7 points (5 = "Very satisfactory", 1 = "Very unsatisfactory"); 2) 74% expressed interest in either working at or conducting collaborative research with NIMS in the future; 3) 85% wanted the Summer School to be held again; 4) Other favorable comments included the launch of collaborative research plans among the Summer School participants and the formation of strong friendships with other young researchers from various countries.

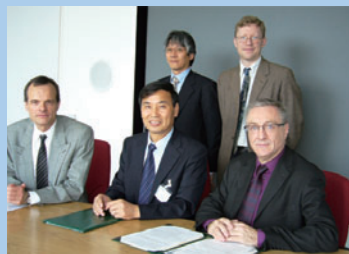
Thus, our Summer School has successfully given young researchers, who will be leading the scientific community in the future, the opportunity to build international networks.

Summer School instructors (affiliation)

1. Anthony K. Cheetham (ICMR/UCSB)	9. Morinobu Endo (Shinshu University)
2. C.N.R. Rao (JNCASR, India)	10. Hideki Ichinose (RIKEN (Institute of Physical and Chemical Research))
3. Ram Seshadri (UCSB)	11. Samuel I. Stupp (Northwestern University)
4. Kazuyuki Hirao (Kyoto University)	12. Atsushi Oshiyama (University of Tsukuba)
5. Akira Fujishima (Kanagawa Academy of Science and Technology)	13. Seizo Morita (Osaka University)
6. Kazue Kurihara (Tohoku University)	14. A. Ajayaghosh (NIST, India)
7. Hideo Hosono (Tokyo Institute of Technology)	15. Dmitri Golberg (NIMS)
8. Uzi Landman (Georgia Institute of Technology)	

ICYS Events Calendar

- May 14-June 11 ● Interviews with the applicants for the new ICYS research fellowship positions were implemented. A public invitation for this fellowship was announced ahead of schedule, because a new organization (new ICYS) is scheduled to be inaugurated in April 2008, immediately following the close of the present ICYS Project, to continue developing the ICYS achievements. Seven young researchers successfully passed our selection (out of 60 applicants in total), and have been taking up their posts since last August.
- May 18 ● Professor Tomoji Kawai, Director of the Institute of Scientific and Industrial Research (ISIR), Osaka University, visited ICYS as an invited lecturer for an ICYS special seminar. Title of the lecture: "High resolution SPM for Nanobio-Science and Technology — Single-nucleotide detection of DNA base molecules —"
- June 1 ● The 4th ICYS Steering Committee Meeting was held. Based on the Progress Report for Fiscal 2007, the progress of ICYS activities was reported, followed by questions and answers, as well as an exchange of opinions concerning problems to be resolved in the future.
- July 4 ● ICYS and the NIMS Organic Nanomaterials Center signed a Memorandum of Understanding (MOU) with the U.K.-based London Centre for Nanotechnology (LCN) and the University College London (UCL). Dr. David Bowler, who is an ICYS alumni, contributed greatly to arranging this MOU by acting as the contact of our LCN and UCL counterpart.
- July 23-28 ● The 2nd ICYS-ICMR Summer School was held (for details, see the article herein).



At the MOU signing ceremony

A research fellow newly joining ICYS

August 20 ● Dr. Cesar Gomez (New ICYS)

Research fellows leaving ICYS

- June 12 ● Dr. Henrik Lindstrom, for NTERA Inc., Ireland
- July 31 ● Dr. Panče Naumov, for the Graduate School of Engineering, Osaka University
- August 27 ● Dr. Yung Yuan Hsu, for the National Taiwan Normal University



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melting pot : The term "melting pot," a device which uses intense heat to create unique materials, is applied here to mean a creative space where young, enthusiastic researchers from different nations and cultures gather together to discuss and create new ideas.

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