

SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Faculty of Engineering

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Area: Control, Intelligent Systems & Robotics

Host: Prof Wang Qing-Guo

Jointly organized IEEE Singapore Control Systems Chapter and the Centre for Intelligent Control, ECE, NUS

TOPIC	:	R&D Highlights in Ningbo Industrial Technology Research Institute of CAS
SPEAKER	:	Professor Cui Ping Director of Ningbo Industrial Technology Research Institute Chinese Academy of Sciences
DATE	:	7 March 2012, Wednesday
TIME	:	10:00 am to 11:30 am
VENUE	:	EA-06-02, Engineering Block EA, Faculty of Engineering, NUS

ABSTRACT

The Ningbo Institute of Materials Technology and Engineering (NIMTE) was co-founded in 2007 by the Chinese Academy of Sciences, the Zhejiang provincial government and the Ningbo municipal government in April 2004. As the first state-owned R&D research institute in Zhejiang province, NIMTE is dedicated to strengthening the cooperation with industries and research organizations within the national innovation systems and integrating engineering research & technology with high-tech industrialization.

NIMTE is mainly engaged in the research on magnetic materials, polymer & composite materials, functional materials & nano-devices, surface engineering, new energy materials and special fiber technology. In March 2009, NIMTE launched the construction phase 2, in which NIMTE will be upgraded to the Ningbo Industrial Technology Research Institutes (NITRI), consisting of three subsidiary institutes respectively named the Institute of Materials Technology, the Institute of Advanced Manufacturing and the Institute of New Energy Technology.

NIMTE owns a public technical service platform with facilities valued at 120 million RMB. At present, NIMTE has 511 staff, including 1 academician of the Chinese academy of Engineering, 92 full professors and 59 associate professors/senior engineers, among them 1 awardee of the Prominent Young Investigator Award from the National Natural Science Foundation of China, 1 recipient of the National 1000-elite Program, 19 recipients of the CAS 100-Talent Funding Award, and many have received the major awards from the Zhejiang provincial government, the Ningbo municipal government and the K.C Wong foundation. Until 2010, NIMTE has undertaken over 400 research projects with a total grant of 409 million RMB. In the past 5 years, NIMTE has filed 252 patents and published over 470 scientific papers and proceedings.

NIMTE is being always interested in cooperating with research organizations and enterprises around the world. Since 2007, NIMTE has established long-term cooperative relationship with Japan, Korea, Sweden USA and etc. The researchers have been doing joint works with the Bosch Company of Germany, UTRC, G.E. and M.Q. Company of USA, L.G. Company and JNL Company of Korea.

BIOGRAPHY

Dr. Ping Cui, an eminent materials scientist, directs the research on nano-materials and internal dissipation. Currently she maintains an active involvement in the research on organic / inorganic nano-composite polymer. As the first Director of NIMTE(NITRI), she has helped to establish NIMTE as a leading center for research in materials, advanced manufacturing and new energy with a strong emphasis on fundamental and applied technology research. She was instrumental in the creation of NIMTE's new home in NingBo, as well as the new regional laboratory for the study of materials.

Prior to joining NIMTE, Dr. Cui spent 9 years in the Institute of Solid State Physics, CAS, where she held several management positions. In 1999, Dr.Cui was a Guest Scientist at Kyoto University in Japan; and a Visiting Researcher at International Centre for Theoretical Physics in Italy in 1992. From 1987 to 1988, she worked at the New Material Institute of Saarland University in German for the study of nanomaterials. Dr. Cui holds a number of awards. She was the winner of Science & Technology Advancement Award of CAS in 1986 and the recipient of Natural Science Award in 1993. She won the President Award of CAS for Meritorious Service in 2004 and the Science & Technology Advancement Award of Changzhou City. In 2005 she was honored the Science & Technology Innovation Award of Ningbo City. Dr. Cui earned a number of subsidies including President Scholarship of CAS, Special Allowance of State Council, and Special Allowance of Anhui Province.

Dr. Cui is the Deputy Head of the Center of Nano Science and Technology in CAS, and the Chairman of Nano Material Expert Committee in Anhui Province. She received her Bachelor's from Anhui University in 1982, and Ph.D from the Institute of Solid State Physics, CAS in 1990. She has applied for more than 10 patents. As author of more than 40 research papers and a book named 《Nano Material》 , she is an influential scientist and outstanding contributor to the field of nanomaterial.