

Introduction

ChinaNANO'2005, sponsored by the National Steering Committee for Nanotechnology, and organized by the National Center for Nanoscience and Technology (NCNST) of China, was held at Beijing International Convention Center from June 9 to 11. Prof. Bai Chunli, Executive Vice President of the Chinese Academy of Sciences and the Director of NCNST served as the chair of the conference. ChinaNANO'2005 was also supported by Ministry of Science and Technology of China, Ministry of Education of China, National Natural Science Foundation of China, Chinese Academy of Sciences, Chinese Academy of Engineering, Association for Science and Technology of China, China National Accreditation Board for Laboratories and other agencies.

ChinaNANO'2005, the largest conference on nanoscience & nanotechnology ever held in China, has been echoed by wide interests from the nano-community across the world. Prior to convening, the conference had already been broadly reported by prominent international academic journals, such as Nature Materials, and Small Domestic news agencies, including People's Daily, Science and Technology Daily, Science Time, and CCTV, covered the conference extensively.

More than 500 full papers and 1100 abstracts were received by the conference. Over 660 registered representatives attended the convention, well above 300 came from more than 40 countries and Chinese Taiwan and Hong Kong. 19 posters were bestowed "Best Posters" award by the Academic Committee of the Conference. During the conference, over 30 international nano-related Hi-Tech companies, Instrument manufacturers and publishers participated the exhibition.

Four well-acclaimed scientists in this field, Prof. Bai Chunli, Dr. S. Iijima, Prof. Charles M. Lieber and Prof. Lars Samuelson, were invited to give plenary presentations on the conference. The invited speakers delivered fascinating presentations on a wide range topics on nanoscience and technologies, preparation and properties of carbon nanotubes, the application of nanomaterials in devices, and semiconductor nanowires, respectively.

Over 90 leading scientists gave invited presentations on the sub-conferences. Totally, more than 400 oral presentations were delivered on the conference. Participants around the world conducted extensive scholarly exchange on the following topics: Nanomaterials and preparation, self-assembly technology, nanoelectronics devices and nanophotonics devices, nanobiotechnology and nanomedicine, characterization and measurements of nanostructures, computation and modeling at nanoscale, consumer nanotechnologies and applications, converging technologies-NBIC, nanocomposites and nanomechanics.

On the opening ceremony, Prof. Guo Huadong, deputy secretary general of the Chinese Academy of Sciences, delivered the congratulation remarks from the President of the Chinese Academy of Sciences. Prof. Lu Yongxiang, who also serves as the Vice President of the National People's Congress, and the Chairman of the Governing Board of National Center for Nanoscience and Technology. Prof. Lu Yongxiang addressed in the letter that nanotechnology had been the priority research

field in the developed countries, and research conducted in this field would not only unravel new phenomena and new principles of the matter, but also will a new industrial revolution. Prof. Lu Yongxiang hoped that the convention, via discussion and exchange on the frontier issues in the nanotechnology, would further promote the integration of nanotechnology and industry, and serve the public.

Prof. Cheng Jinpei (Deputy Minister of Science and Technology of China, the Vice Chairman of the Governing Board of National Center for Nanoscience and Technology), Prof. Zhu Daoben (Vice Chairman of National Natural Science Foundation of China, Vice Chairman of the Governing Board of National Center for Nanoscience and Technology) and Prof. Feng Changgen (the Secretary of Secretary Office of China Association for Science and Technology) attended the opening ceremony and also made remarks. Prof. Zhao Qiping (Deputy Minister of Education, Vice Chairman of the Governing Board of National Center for Nanoscience and Technology) also sent a congratulation letter wishing a total success of the conference. The president of Peking University, Prof. Xu Zhihong, on behalf of the organizer of ChinaNANO'2005, National Center for Nanoscience and Technology, addressed at the closing banquet.

Prof. BaiChunli reviewed the achievements of Chinese scientists in this field. Prof. Bai Chunli pointed out that, in addition to the great achievements, Chinese scientists should pay close attentions to promoting the ability of technology creation, and intercrossing and integration of nanodevices, biotechnology and medicine.

By the efforts of all the participants and the organizer NCNST, ChinaNANO'2005 was a great success. It was a "perfect conference", by some participants. The participants were fascinated by the presentations throughout the conference. The number of audience was well beyond the original expectation of the organizer. More gratifying for the organizer is that a lot of graduate students from many domestic universities took part in the conference. Their great enthusiasm indicates a bright future of China's nano-research.

ChinaNANO'2005 not only reflects the level of nanotechnology in China, but also scrutinizes in depth the development of nanotechnology as well as its important effect on the economy and society. The success of ChinaNANO'2005 will further enhance communications between domestic scientists and their colleagues abroad, and accelerate the development of nanotechnology in China.