

## CAS Convenes 16th General Assembly

CAS convened its 16<sup>th</sup> General Assembly from June 11 to 15, 2012 in Beijing. 574 of its Members and 16 Foreign Members attended the conference. Chinese President HU Jintao addressed the opening ceremony on the morning of June 11, and Premier WEN Jiabao and State Councilor LIU Yandong gave talks at the plenary sessions.

The assembly examined work reports presented respectively by the Presidium of the CAS Academic Divisions (CASAD), the Special Committees and the Standing Committees of various Academic Divisions, and elected for the new Presidium and Committees. The Third Academic Conference of CASAD was held on June 14 and 15.

On the afternoon of June 10, the Foreign Members were invited to participate in a consultative meeting and give their comments and suggestions on China's S&T development from their own experience of working with Chinese partners or institutions. During the meeting CAS President BAI Chunli conferred



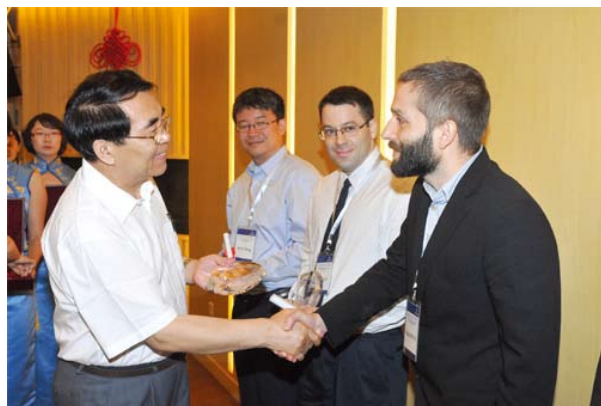
certificates on Prof. Shu CHIEN and six newly elected Foreign Members.

On June 13, four scientists winning this year's Tan Kah Kee Science Award and six young researchers winning the First Tan Kah Kee Young Scientist Award received their honor for their innovative achievements to promote the scientific enterprise in China.

To date CAS has 723 Members and 64 Foreign Members, and its General Assembly is held biennially.

## CAS Gives Out its First International Cooperation Award for Young Scientists

During a workshop convened on June 7, 2012 in Beijing, CAS President BAI Chunli conferred the first CAS International Cooperation Award for Young Scientists on five visiting young foreign scientists and



their partners in China. They are: Pierre Richard and DING Hong from the Institute of Physics, Mehmet Somel and Philipp Khaitovich from the Shanghai Institutes for Biological Sciences, Thorjorn Larssen and FENG Xinbin from the Institute of Geochemistry, Corwin Sullivan and ZHANG Fucheng from the Institute of Vertebrate Paleontology and Paleoanthropology, and Hisashi Kajiura and SUN Jing from the Shanghai Institute of Ceramics. The young foreign awardees are supported by the CAS Fellowships for Young International Scientists to work at CAS institutes for several months as post-docs. President BAI encouraged them to stay longer in China and deepen cooperation with Chinese colleagues, and said that the Academy is considering increasing funding for long-term collaborations. Launched in 2009, the Fellowships have supported 295 post-docs from overseas to work at CAS.

## Preeminent Biologist Joins CAS to Lead a New Research Center in Shanghai

Dr. ZHU Jiankang, an internationally renowned plant cell biologist and member of the US National Academy of Sciences, will work as Director of the Shanghai Center for Plant Stress Biology, which was officially inaugurated on April 28, 2012 in suburban Shanghai. Before he joined CAS through a key talent recruitment program sponsored by the Chinese government called the “Thousand Talents Program”, Dr. ZHU had worked for many universities in the world and carried out leading innovative research on genetic and epigenetic mechanisms of plant responses to adverse environments such as salinity, drought and low temperature.



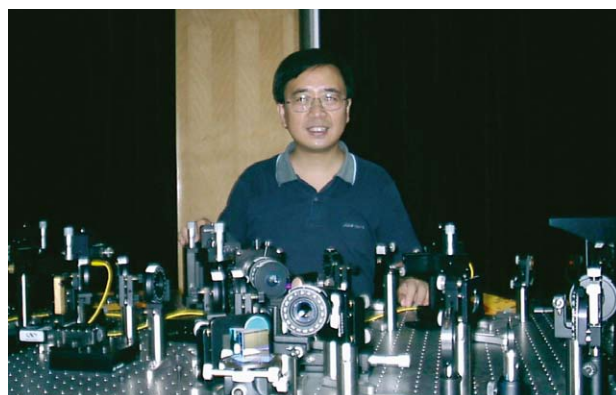
## CAS Sees off 9,258 Graduates in Summer



A total of 4,953 doctoral candidates and 4,305 master's candidates put on academic caps and gowns and gathered for their graduation ceremony on July 9, 2012 at the Yuquanlu Campus of the Graduate University of CAS (GUCAS). BAI Chunli, CAS President and head of GUCAS, addressed the ceremony and encouraged the graduates to keep an enterprising spirit for the future and think critically in scientific research. As the first graduate university established in China, GUCAS has trained more than 100 thousand high-level talents in the past three decades. On July 16, 2012, it is officially renamed the University of the Chinese Academy of Sciences.

## CAS Physicist Wins 2012 Quantum Communication Award

The organizing committee of the International Conference on Quantum Communication, Measurement and Computing (QCMC) announced that Prof. PAN Jianwei with the Department of Modern Physics, University of Science and Technology of China will receive the 2012 International Quantum Communication Award during this year's QCMC held in Vienna from July 30 to August 3, 2012. Prof. PAN is awarded for his outstanding contributions to the study of quantum physics and quantum information, especially his experimental studies into quantum communication. As a world-class physicist Prof. PAN has been pushing back the frontiers of quantum science with innovative experiments and research. He was elected a Member of the Chinese Academy of Sciences in 2011.



## CAS and RIKEN Celebrates 30 Years of Partnership

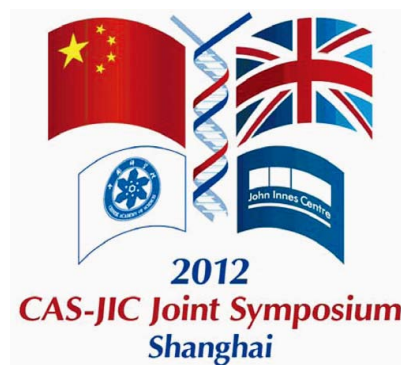


In May 2012, CAS and RIKEN held a series of events to commemorate the 30th anniversary of the launch of their cooperation in 1982. CAS President BAI Chunli led a delegation to visit the Wako campus of RIKEN and participated in a tree planting ceremony with RIKEN President Ryoji Noyori. Researchers from the two institutions convened commemorative lectures, and a special ceremony was held to award individuals who had made special contributions to CAS-RIKEN partnership during the past 30 years.

The past three decades have witnessed active joint research and personnel exchanges between CAS and RIKEN in a variety of fields, ranging from particle accelerator science and nuclear physics to cosmic rays using a large-scale neutron detector and natural biological materials. Last December, RIKEN President Noyori was elected as a foreign member of CAS.

## CAS and John Innes Center to Set Up a Joint Center for Plant Research in China

To address food sustainability, CAS and the UK's John Innes Center (JIC) plans to establish a center of excellence for plant and microbial research in China. The center will strive to improve the performance and yield of cereals, reduce their reliance on fertilizers and pesticides, and exploit new natural products using the biodiversity of plants and microbes. The plan followed a joint symposium held in Shanghai from April 26 to 27, 2012 by researchers from JIC and CAS institutes including the Institute of Genetics and Developmental Biology, the Institute of Botany and the Shanghai Institute of Plant Physiology and Ecology. These institutes share strength in crop genomics with JIC and have carried out collaborations with JIC for many years. In 2011, a Memorandum of Understanding was signed between CAS and JIC to boost cooperation.



## World Experts Focus on Green Chemistry and Engineering during 2012 TWAS-ROESEAP Symposium in Beijing

The 2012 TWAS-ROESEAP (TWAS Regional Office for East and South-East Asia and the Pacific) Symposium on Frontier in Chemical Engineering was held from July 27 to 31 in Beijing under the theme of “Green Chemistry and Engineering of Developing Countries”. Over 140 scholars and graduate students from ten nations including China, India, Pakistan, Indonesia, Iran, Tajikistan, Republic of Korea, Nigeria, South Africa and Denmark attended the symposium.

Scientists carried out hot discussions on green solvent, green catalysis, clean production and technology, renewable energy, green design, etc., exchanging ideas and presenting new findings to promote international collaboration in the field. The importance of green chemistry and engineering for the sustainable development of developing countries was unanimously recognized and agreed.

“The lectures were of very high standard. It was a good opportunity for chemists to meet chemical engineers and vice versa. I am sure some fruitful collaborations will begin from the interactions,” remarked Prof. M. Govindasamy from the Indian Institute of Science.

“I learned a lot from the conference, especially on the topic of ionic liquids, including the history and fundamental and applied research in ionic liquids,” said Prof. Ismunandar



from Institut Teknologi Bandung, Indonesia.

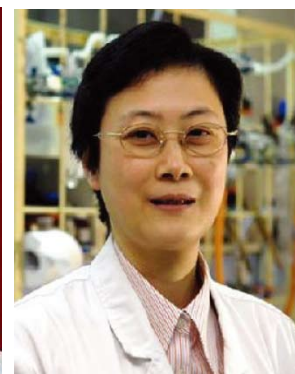
CAS Vice President and TWAS Fellow LI Jinghai addressed the symposium’s opening ceremony, and conferred the 2011 TWAS Regional Prize for Development of Scientific Educational Material on Dr. LIU Changming, who is principal of Beijing No. 4 High School.

The symposium was jointly sponsored by TWAS, CAS, the National Natural Science Foundation of China and the CAS Institute of Process Engineering (IPE), and was chaired by IPE director Prof. ZHANG Suojiang.

“It was really nice to join this kind of great symposium,” commented Prof. Yong-Mook Kang from Dongguk University of the Republic of Korean. “The organization, supporting for invited speakers and so on were great, and the contents of meeting was really helpful to most of chemical scientists. I wish this meeting will be continued every year.”

## ZHANG Jie and V. W. W. Yam Elected NAS Foreign Associates

According to an announcement released by the US National Academy of Sciences (NAS) on May 1, 2012, two outstanding scientists from China including physicist ZHANG Jie and chemist Vivian Wing Wah Yam, both



members of the Chinese Academy of Sciences, were elected to NAS as its new foreign associates. Prof. ZHANG Jie is a leading scientist in strong field physics and X-ray laser technologies, and now serves as the President of Shanghai Jiao Tong University. Prof. Vivian Yam is known for her achievements in the basic research of inorganic chemistry and synthetic chemistry, and she is Philip Wong Wilson Wong Professor in Chemistry and Energy at the Department of Chemistry, University of Hong Kong.

## Chinese Botanist Receives the First Lachlan Macquarie Medal



Prof. HONG Deyuan from the Institute of Botany, Chinese Academy of Sciences became the first recipient of the Lachlan Macquarie Medal during a special ceremony held at the Government House of New South Wales, Australia on May 8, 2012 for his pioneer and sustaining efforts to help protect plant biodiversity. Prof. HONG is one of the first botanists to study conservation biology of endangered and threatened plants species in China and a leader in the systematics of Asian plants. The Lachlan Macquarie Medal is a new award created by the Australian Royal Botanic Gardens & Domain Trust to honor Governor Lachlan Macquarie, the founding father of the Garden, and to celebrate the Garden's bicentenary anniversary in 2016. The medal will be conferred biennially.

## Mathematician GU Chaohao Dies at 87

GU Chaohao, a renowned Chinese mathematician, Member of the Chinese Academy of Sciences and laureate of the National Supreme Science and Technology Award, passes away in Shanghai on June 24, 2012. Born in 1926 in Wenzhou, Zhejiang Province, GU received his doctorate in physics and mathematics from Moscow State University in 1959, and had been primarily engaged in the research on differential geometry, partial differential equations and mathematical physics. He received the National Supreme Science and Technology Award for 2009 for his contributions to China's space development. He was also an esteemed educator, working as former vice president of Fudan University and former president of the University of Science and Technology of China. A minor planet, 171448 Guchohao, was named after him in 2009.

