



2005  
乙酉年



Happy New Year!  
新年快乐!

## News



**The First Board of Directors Meeting of 2005** was held on January 12 via telephone conference. Among the participants were Dr. Zhang Zhongfei, the newest director (more info below), and Dr. Jianjun Wang (Full Fellow, Abbott Lab) as an observer. The Board decided that the 2005 Zhu Kezhen Distinguished Lecture Program will focus on life science, and deliberated potential candidates. Jianping Gong, the Fundraising Committee Chair, reported a 50% increase of the number of donors. The meeting also decided on the succession plan of a number of officers: Yizhou Yu will replace Keqin Gu as the Secretary; Jinshuo Zhu's current responsibilities will be taken over by two people: Yan Xiong will serve as the Treasurer and CFO, Yizhou Zheng will serve as the Controller; Jianmin Qiao will replace Jianping Gong as the Fundraising Committee Chair. The Board decided to hold a number of special activities to commemorate 10-year anniversary of AZKEF. Finally, CHEN Zichen, the Vice-Chair of the University Council of Zhejiang University (aka ZheDa) and a director of AZKEF, reported substantial impact of Zhu Kezhen Distinguished Lecture Program, pledged ZheDa's full cooperation of the 10-year anniversary activities in China, and represented ZheDa to thank the alumni for dedication to their alma mater.

**The Zhu Kezhen Annual Distinguished Lecture Program** has been bringing to ZheDa world leaders in fields of science and technology. In 2004, four Zhu Kezhen Distinguished Lectures were delivered.



(Left: Prof. Chih-Ming Ho presenting at ZheDa; right: the absorbed audience.)

The first took place April 20-21. Dr. Chih-Ming Ho, Ben Rich-Lockheed Martin Professor and Vice President of University of California at Los Angeles (UCLA), visited ZheDa. He presented on bioinformatics and nanomaterial synthesis, and gave a campus-wide lecture to undergraduates entitled “*Imagination and Knowledge*”.

Then Dr, Bill F. Spencer Jr., Nathan M. and Anne M. Newmark Chair Professor from University of Illinois at Urbana-Champaign (UIUC) visited ZheDa June 30-July 5. He gave three lectures: (1) *Smart Structures Technology: Challenges and Opportunities*, (2) *The George E. Brown Jr. Network of Earthquake Engineering Simulation (NEES)*, and (3) *Structural Health Monitoring for Civil Engineering Applications*. (Photo on right: Prof. Bill Spencer during his lecture at ZheDa.)



The third lecturer was Dr. Van C. Mow, Stanley Dicker Professor from Columbia University. He visited Hangzhou July 2-6 and gave two lectures, *Rigorous Engineering Analyses of Human Joint Function and Etiology of Osteoarthritis*, and *The Role of Biomechanics in Functional Tissue Engineering (FTE) of Articular Cartilage*. He also listened to students’ research presentations, and encouraged them “Young people should do the right thing, and do it rightly”.

In mid October, Dr. Kang G. Shin, Kevin and Nancy O'Connor Professor from University of Michigan gave two lectures, *Sensor Networks for Environment Monitoring* and *EMERALDS: A Small Memory Real-Time Kernel*. The speaker was surprised by the big audience and the number of questions.

**The Board of Directors** has now a total of 22 members. Ten of them were recruited since 2004 as listed in the table below. Many emeritus Directors are still actively working on various committees. Owing to the great efforts of these enthusiastic alumni, the foundation has healthily grown.

Name	BS Major, Grad. Yr. at ZheDa	Current Career	Date Elected
Chen, Zichen	Mech. Eng., 1982	Professor, Vice Chair of Univ Council of ZheDa	Jan. 2004
Guo, Shang Q.	Mathematics, 1981	Researcher, IBM	Jan. 2004
Hong, George	History, 1982	Associate VP, Sponsored Research & Faculty Development, West Chester Uni. Of Pennsylvania	Jan. 2004
Hu, Guojun	Materials, 1984	Sr. Software Engineer, M & C Systems	Jan. 2004
Qiao, Jianmin	Materials, 1981	Operation Head, PicoNetics, Inc.	Jan. 2004
Xiong, Yan	Chem. Eng., 1989	Engineer & Manager, Tempra Technology Inc.	Jan. 2004
Yang, Fangxin	Chemistry, 1982	Professor, Rowan University	Jan. 2004
Zheng, Yizhou	Chem. Eng., 1982	Sr. Scientist, US Smokeless Tobacco, Inc	May 2004
Zhou, Stephen	Chemistry, 1979	Co-Founder, VP of R&D, Medennium, Inc	May 2004
Zhang, Zhongfei	Elect. Eng., 1984	Assist. Professor, SUNY Binghamton	Jan. 2005

**AZKEF** has been helping alumni in North America to establish scholarship at Zhejiang University in the past two years. For example, the Yao Hsien-Cheng Scholarship was established in 2003. 24 students were awarded in 2003 and 12 students were awarded in 2004.

**Prof. Zhongyang Luo** from ZheDa's College of Agriculture was selected by AZKEF as a Zhu Kezhen Fellow. Financially supported by AZKEF, Prof. Luo visited Harvard University in 2004 and was involved in research work of the Energy Technology Innovation Project (ETIP). During his three-month staying, he also attended the World Renewable Energy Congress VIII (WREC VIII 2004) and MIT Carbon Sequestration Forum V; visited a few other universities and companies, such as EPA Research Center, MIT, GE Globe Research Center (GEGRC) and ALSTOM's Power Plant Laboratory. In addition, he gave several presentations at above institutions and introduced his research work at ZheDa.



## Events

**AZKEF Fundraising Campaign** was launched in November 2004. In the campaign letter, Dr. Cheng Zhu (President of the foundation) and Dr. Jianping Gong (Chair of Fundraising Committee) told our alumni –

*With the help of generous alumni like you, in the past nine years we raised approximately \$400,000 to serve Zhejiang University. Our programs include: supporting world leaders in science and technology to present the Zhu Kezhen Annual Distinguished Lectures in Zhejiang University; supporting current Zheda faculty for sabbatical leave in the United States; and providing student scholarships. We believe that all these efforts have noticeably increased Zhejiang University's publicity as a world-renowned university, and we hope that you can help us continue these efforts. For details about the above stated and other activities and accomplishments of the AZKEF, please see "AZKEF Progress Report 2004".*

For more details, please visit our website at <http://azkef.org/events.htm>.



## Celebrations

**We are 10 years old!** 2005 marks the foundation's 10-year anniversary and a celebration will be ordered. Have your own idea to celebrate this historic event? Share with us! Any suggestions are welcome and your contribution will be fully appreciated. Please contact Dr. Cheng Zhu (President of the foundation) at [cheng.zhu@me.gatech.edu](mailto:cheng.zhu@me.gatech.edu) or Dr. Wei Xu (Chair of Publicity Committee) at [willxu00@yahoo.com](mailto:willxu00@yahoo.com).

**Chinese Poems** We are pleased to share with you the poems composed by Dr. Lin Tan (Director Emeritus) and Dr. Feiyue Wang (Vice President and Director). If you have artistic works to share, please send to us!

### 七律·美国竺可桢教育基金会成立十周年感怀寄言(二首)

谭琳（基金会前理事）

（一）

异邦长夜每忘眠，桃李情牵万里天。  
寄愿子规啼肺腑，倾心母校立婵娟。  
他山寻石攻珠玉，吾辈投身请列仙。  
直欲扬眉先吐气，为传薪火照千年。

（二）

似水年华侧耳听，依稀日夜读书声。  
暖身衣袄慈母线，济世篇章游子情。  
异域异乡同手足，一砖一瓦筑精诚。  
后生正待春风力，破浪扬帆万里程。

## 仿江城子·美国竺可桢教育基金会十年感言

王飞跃（基金会副会长，理事）

2004年11月17日于病中

几天前，毕业生吴庆龙约时间采访，为美国竺可桢教育基金会的 Newsletter 写自己的简历。回想参与基金会创立至今已近十年，往事历历在目，深为基金会今日之兴旺而欣慰，特记。

又记：这首“词”写于我个人医生的诊所，在等待化验结果之余草就。好友罗朝骏教授和基金会几位理事都指出其中多处不合词律的地方，并得词谱与和诗两首。只是自幼南北混调，不识平仄声韵，想合谱但无能为力。为了不“亵渎”文雅，又直截了当表达自己的实意，故采用工程师的一贯方法“解决”问题，自“创”新词牌，名之“仿江城子”。

十年希望路茫茫，众拾柴，火焰旺。  
求是鸟飞，无处不思乡。  
一日同窗百年长，前栽树，后乘凉。

母校梦里几回想，老和山，玉泉旁。  
身虽异邦，但有心向往。  
人生苦短唤清名，千秋业，你我创。



### Profiles of Well-Known Members

#### Professor Fei-Yue Wang by Qinglong Wu



Prof. Fei-Yue Wang is an outstanding alumnus of Zhejiang University (ZheDa). He graduated from Zhejiang University in 1984 with his M.S. degree in Mechanics. Prof. Wang received his Ph.D. in Electrical, Computer and Systems Engineering from the Rensselaer Polytechnic Institute in 1990, when he joined the University of Arizona. He is currently a professor of Systems and Industrial Engineering and the Director of the Program for Advanced Research in Complex Systems (PARCS) in the University of Arizona.

Prof. Wang has been devoting himself to research in modeling, analysis, and control mechanism of complex and intelligent systems. He has published more than 200 books, book chapters, papers, and graduated 21 Ph.D. and 60 M.S. students. Prof. Wang is a fellow of IEEE, the President-elect of IEEE Intelligent Transportation Systems Society (IEEE ITSS), and the 2005 President of the Chinese Association of Science and Technology. Prof. Wang currently is focusing on research in artificial societies, computational experiments, parallel systems, agent-based control, linguistic dynamic systems and computing with words for complex systems.

Prof. Wang has been very active and provided leadership to professional societies nationally and internationally. He was the Program Chair of the 1998 IEEE International Symposium on Intelligent Control, the 2001 IEEE International Conference on Systems, Man, and Cybernetics, Chair for Workshops and Tutorials for 2002 IEEE International Conference on Decision and Control, the General Chair of the 2003 IEEE International Conference on Intelligent Transportation Systems, and Co-Program Chair of the 2004 IEEE International Symposium on Intelligent Vehicles and will be the General Chair for the same conference in 2005, the General Chair of the IEEE 2005 International Conference on Networking, Sensing, and Control. He is an elected member of IEEE SMC Board of Governors and the AdCom of the IEEE Nanotechnology Council, the Chairs of Fellow Evaluation Committee and Transition Committee of IEEE Intelligent Transportation Systems Council, and Co-Chair of its Technical Committee on Homeland Security and Transportation.

Prof. Wang currently is the Editor-in-Charge of Series in Complex Systems and Intelligence Science, an Associate Editor and the Editor for the Intelligent Transportation Systems Department of the IEEE Intelligent Systems, and an Associate Editor of the IEEE Transactions on Systems, Man, and Cybernetics, IEEE Transactions on Robotics and Automation, IEEE Transactions on Intelligent Transportation Systems, and several other international journals. He was the Editor-in-Chief of the International Journal of Intelligent Control and Systems from 1995 to 2000, Editor-in-Charge of Series in Intelligent Control and Intelligent Automation from 1996 to 2004. He received Taylor Franklin Best Paper Award and Outstanding Service Award from IEEE SMC Society in 2002.

Prof. Wang has also been actively promoting technical innovation in industry. He served as a science and technical advisor to various industry corporations. He was a China-Cornell Fellow of Rockefeller Foundation from 1995 to 1998. He received the Caterpillar Research Invention Award in 1996 as well as various industrial awards for his applied research and outstanding contributions from IBM, 3M, Emerson, ABB Inc, and other major corporations.

Prof. Wang has been actively devoting himself to strengthen the academic connections between China and US. He currently is a director of the Key Laboratory for Complex Systems and Intelligence Science of the Chinese Academy of Sciences, a science advisor for Shandong province, and an honorary and advisory professor for multiple top Chinese universities. He founded Sino-US Joint R&D Center for Intelligent Control Systems to bridge the joint research efforts among the University of Arizona, the Chinese Academy of Sciences, and Chinese Kelon Corporation. He was the founding director of the Intelligent Control and Systems Engineering Center of the Chinese Academy of Sciences. He was awarded Excellent Performance Award for Hundred Talents from Chinese Academy of Sciences in 2002, Outstanding Young Scientist Award from Natural Science Foundation of China in 2001, Science and Technology Progress Awards from Beijing metropolitan government and Guangdong province respectively in 2001 and 2004, and Excellent Academic Award from Chinese Association of Science and Technology (USA) in 1999.

Prof. Wang has made significant contributions to the development of ZheDa. He has been serving as the Vice President of the foundation, the Chair of Scholarship Committee, a founding Board Director, and one of the major donors of the American Zhu Kezhen Education Foundation. In 2004, he and his wife established the Xie Yiquan and Yao Kuanjun Scholarship which will award two undergraduate students with \$500 each for outstanding academic performance.



Prof. Wang has always been inspiring students with his nonstop endeavor spirit and positive attitude toward life. Not only does Prof. Wang guide students through research work but also gives advice on how to become a successful researcher, which benefits them more for the future work. His work attitude and persistence has been motivating his students to pursue a higher standard in their study.

Prof. Wang enjoys going hiking and playing golf in his spare times. He also has strong interests in traditional Chinese literature. In the event of the 10<sup>th</sup> anniversary of American Zhu Kezhen Education Foundation, Prof. Wang was inspired to write a traditional Chinese poem to memorize the 10 years efforts and dedication of his colleague at the AZKEF. (Photo on this page: Prof. Wang and his wife and daughter)