



中國旅美科技協會
Chinese Association for Science and Technology, USA

**2015 International Forum for Technology Innovation,
Collaboration and Development
*The 23rd Annual Conference of CAST-USA***

**科技创新与合作发展论坛
---- 暨中国旅美科技协会第 23 届年会**

October 9-11, 2015

**Hyatt Dulles at Dulles International Airport
2300 Dulles Corner Blvd
Herndon, VA 20171**

Host: Chinese Association for Science and Technology, USA (CAST-USA)

Co-Organizer:

CAST-USA Washington DC Chapter (CAST-DC)
CAST-USA Network Information Society (CAST-NIS)

Support Organization:

12 Regional Chapters

Arizona Chapter	Los Angeles Chapter	San Diego Chapter
Silicon Valley Chapter	Connecticut Chapter	Greater New York Chapter
Pennsylvania Chapter	North Carolina Chapter	Texas Chapter
Utah Chapter	Washington DC Chapter	Florida Chapter

7 To-Be-Built Regional Chapters

Boston Chapter	Philadelphia Chapter	Atlanta Chapter
Houston Chapter	West Virginia Chapter	Nebraska Chapter
South Florida Chapter		

11 Liaison Offices in China

Beijing Office	Shanghai Office	Chengdu Liaison
Chongqing Liaison	Jinan Liaison	Shenyang Liaison
Haikou Liaison	Guangzhou Liaison	Wuhan Liaison
Dongguan Liaison	Qingdao Liaison	

Conference Organization:

OC, Organizing Committee: All CAST-EC and CAST-BOG members

SCOC, Standing Committee of Organizing Committee:

Yunming Song, Zhixiong Chen, Howie Yu, Yiqiang Cai, James Bo, Xiaoming Sheng, Tong Fang, Xinghua Pan, Le Wan, Xuguang Guo, Lukai Cai, Bill Jiang, Qiang Lu, Guang Guo, George Zhang, Changchun Xie

Co-Chairs: Yunming Song, Zhixiong Chen, James Bo

Session Chairs:

- Biopharmaceutical Science and Medicine: Xinghua Pan, Xiaoming Sheng
- Information Technology: Jizhong Xiao, Daniel Zeng
- Energy & Environmental Protection: Guang Guo, Youshun Sun
- International Talent Cooperation: Yugui Guo

Conference Introduction

China and the United States have up to 30 years of scientific and technological exchanges and cooperation, which promotes basic research and personnel exchanges, increases friendship and understanding between two countries. It also brings a significant role to strengthen research cooperation, and promote technology innovation between universities, research institutes and enterprises.

The theme of this conference is "**Technology innovation, collaboration and development**". The Conference will cover several areas: new energy and environmental protection, information technology, biopharmaceutical science and medicine, international talent cooperation and startup competition, etc., and highlight the technology innovation. It requires the Sino-US joint efforts on technology sector, overcome challenges and achieve scientific sustainable development. The common goal of the innovation strategy between China and the United States, is to promote sustainable growth and quality employment, energy saving and environmental protection, new energy, information technology, bio-medicine, new materials, etc., and highlight the scientific and technological innovation, strengthening the basis of cutting-edge research, focusing on cultivating new industries, strengthening the research infrastructure.

The Conference is hosted by Chinese Association for Science and Technology, USA (CAST-USA). Entrepreneurs, government officials, and renowned scientists from both China and U.S. are invited as speakers to share their viewpoints, expertise and experiences in various technological fields, as well as success stories for capitalizing on innovations in the new technologies. The members from CAST-USA's 12 regional chapters, 7 to-be-built regional chapters and 10 liaison offices in China, many of whom are experts, entrepreneurs and well-known academics in the area of new technology development will also attend the conference.

We want to extend this invitation to you and hope you can join us to learn about the cutting-edge new technology innovations, share insights and expertise in the technological developments, and explore career and entrepreneurial opportunities. We are very excited about this unprecedented event and sincerely hope to see you there.

Conference Topics

(1) Opening Ceremony and Keynote Speeches

Confirmed keynote speakers include

- **Dr. John C. Mather, Nobel Prize winner in Physics 2006**
- **Prof. C. Daniel Mote, Jr., President of the National Academy of Engineering**
- **Dr. Qi Lu, Executive Vice President, Microsoft's Applications and Services Groups**
- **Dr. Kai Li, Member of National Academy of Engineering, Professor of Princeton University**
- **Dr. Xiaowei Zhuang, Member of National Academy of Sciences and Member of American Academy of Arts and Sciences, Professor of Harvard University**
- **Dr. Victor Yuan, Chairman of Horizon Research Consultancy Group, Founder of Pegasus (Angel Investment and Service)**

And Federal Government Department Head, Governor of Virginia and Executive Director of SelectUSA. Speakers and participants will also come from the private and business sector, as well as science and technology fields. There will be new technology development researchers in related fields, well-known overseas Chinese, Chinese and U.S. entrepreneurs and estimated 500 people attending the opening ceremony of the conference and workshops.

(2) Industries Thematic Forum Workshop

The topics include four main areas:

- **Biopharmaceutical Science and Medicine**
- **Information Technology**
- **Energy & Environmental Protection**
- **International Talent Cooperation**

(3) Startup Competition and Talent Exchange

In order to promote the globalization of technologies, the technology innovation event will have two major parts:

- **Innovation & Entrepreneurship Forum**
- **Startup Competition**

With the purpose of cultivating the startup environment in the United States, and facilitating the direct contacts between new entrepreneurs and investors. Government leaders from the states of Maryland, Virginia and the District of Columbia will come to the event to deliver important speech. The final startup projects will be presented in the event as well.

Conference Agenda

October 9 (Friday)	10:00-20:00	Registration Opens
	13:00-15:00	Networking & Refreshments
	15:00-15:30	Welcome and Opening Remarks
	15:30-17:30	Keynote Speeches <ul style="list-style-type: none"> ➤ Dr. John C. Mather, Nobel Prize winner in Physics 2006 ➤ Prof. C. Daniel Mote, Jr., President of the National Academy of Engineering ➤ Dr. Kai Li, Member of National Academy of Engineering, Professor of Princeton University ➤ Governor of Virginia or Senator (TBD)
	17:30-18:30	Exhibit Hall Opens and Open Bar Reception
	18:30-20:30	Banquet and CAST-USA Excellence Award Presentation Keynote Speech: <ul style="list-style-type: none"> ➤ Dr. Victor Yuan, Chairman of Horizon Research Consultancy Group, Founder of Pegasus (Angel Investment and Service)
October 10 (Saturday)	08:00-09:00	Registration, Continental Breakfast
	09:00-10:15	Keynote Presentation <ul style="list-style-type: none"> ➤ Dr. Qi Lu, Executive Vice President, Microsoft's Applications and Services Groups
	10:15-18:45	Exhibit Hall Opens
	10:15-10:30	Break & Refreshments
	10:30-12:20	Two Industries Thematic Forums In Parallel <ul style="list-style-type: none"> ➤ Biopharmaceutical Science and Medicine ➤ Information Technology
	12:20-13:20	Break for Lunch, Exhibitions and Networking
	13:20-15:10	Two Industries Thematic Forums In Parallel <ul style="list-style-type: none"> ➤ Energy & Environmental Protection ➤ International Talent Cooperation
	15:10-15:30	Break & Refreshments
	15:30-16:00	Keynote Presentation <ul style="list-style-type: none"> ➤ Dr. Xiaowei Zhuang, Member of National Academy of Sciences and Member of American Academy of Arts and Sciences, Professor of Harvard University
	16:00-18:00	<ul style="list-style-type: none"> ➤ Innovation & Entrepreneurship Forum ➤ Startup Competition
	18:00-18:45	Networking Break and Open Bar Reception
	18:45-20:45	Banquet, CAST-USA Award Ceremony and Closing Remarks
October 11 (Sunday)	Visit Washington DC	

Keynote Speakers

Dr. John C. Mather: is an American astrophysicist, cosmologist and Nobel Prize in Physics laureate (2006) for his work on the Cosmic Background Explorer Satellite (COBE) with George Smoot. This work helped cement the big-bang theory of the universe. According to the Nobel Prize committee, "the COBE-project can also be regarded as the starting point for cosmology as a precision science." Mather is a senior astrophysicist at the U.S. space agency's (NASA) Goddard Space Flight Center (GSFC) in Maryland and adjunct professor of physics at the University of Maryland, College Park. In 2007, Mather was listed among Time magazine's 100 Most Influential People in The World. In October, 2012, he was listed again by Time magazine in a special issue on New Space Discoveries as one of 25 most influential people in space. Mather is also the project scientist for the James Webb Space Telescope (JWST), a space telescope to be launched to L2 no earlier than 2018.



Prof. C. Daniel Mote, Jr., is the current President of the National Academy of Engineering. He served as President of the University of Maryland, College Park from September 1998 till August 2010. From 1967 to 1991, Mote was a professor in mechanical engineering at the University of California, Berkeley, and served as Vice Chancellor at Berkeley from 1991 to 1998.



Dr. Mote's recognitions include the NAE Founders Award, the American Society of Mechanical Engineers Medal, and the Humboldt Prize of the Federal Republic of Germany. At the University of California, Berkeley, he was honored with the Distinguished Teaching Award, Distinguished Engineering Alumnus Award, Berkeley Citation, and Excellence in Achievement Award. He is an Honorary Fellow of the American Society of Mechanical Engineers, and Fellow of the American Academy of Arts and Sciences, the American Academy of Mechanics, the Acoustical Society of America and the American Association for the Advancement of Science. He holds three honorary doctorates and two honorary professorships.

Dr. Qi Lu is the Executive Vice President, Microsoft's Applications and Services Groups. Dr. Lu obtained his BS and MS from Fudan University in Shanghai, China, and PhD in Computer Science from Carnegie Mellon. Dr. Lu is leading the company's work on the Bing search engine, Skype and Microsoft Office. Lu formerly worked as technology developer and manager for Yahoo!'s technology search division.



Lu worked in one of IBM's research labs from 1996–98, then joined Yahoo! and eventually rose to manage 3,000 engineers and the development of search and search advertising technologies for the company. Lu's departure from Yahoo! in mid-2008. After joining Microsoft, Lu was instrumental in driving the partnership with Yahoo! in search and the launch of Bing.

Dr. Xiaowei Zhuang is a Chinese-American biophysicist, a member of National Academy of Sciences and member of American Academy of Arts and Sciences, and Professor of Chemistry and Chemical Biology and of Physics at Harvard University, also an Investigator at the Howard Hughes Medical Institute.

In 1987, Dr. Zhuang graduated from the preparation class for Gifted Young College of USTC in Suzhou High School. She attended and graduated from University of Science and Technology of China with a B.S. in Physics and from University of California, Berkeley with a Ph.D. in Physics.

Dr. Zhuang develops advanced imaging techniques, in particular single-molecule and superresolution imaging methods, to study problems of biomedical interest. She invented a superresolution imaging method, STORM, which overcomes the diffraction limit using switching and localization of single fluorescent molecules. She continues to push the envelope of single-molecule and superresolution imaging by increasing the spatiotemporal resolution and enabling in vivo imaging. She applies these methods to investigating neuronal structures and connectivity, chromatin structure, and gene expression regulation.



Dr. Kai Li: Professor at the department of Computer Science in Princeton University. He is noted for his pioneering contributions to Distributed Shared Memory (DSM) and co-founding the leading storage deduplication company Data Domain Inc. which was acquired by EMC Corporation in 2009 at US \$2.1 billion. He was elected as an Association for Computing Machinery (ACM) fellow and Institute of Electrical and Electronics Engineers (IEEE) fellow in 1998 and 2011, respectively. In 2012 he was elected to the National Academy of Engineering. He received Overseas Outstanding Contribution Award, China Computer Federation in 2008.



Dr. Victor Yuan

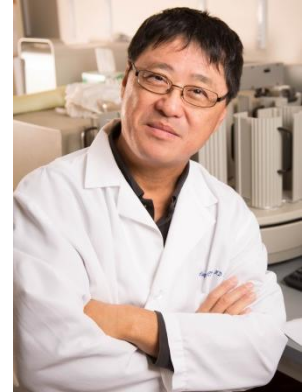
- ✧ Chairman of Horizon Research Consultancy Group,
- ✧ Founder of Pegasus (Angel Investment and Service)
- ✧ President of Horizon Center of Youth Entrepreneurship for Society (YES)
- ✧ Independent media professional
- ✧ Member of China Angel Investor Club
- ✧ Dean of Shanghai Great Business School
- ✧ Ph.D. in Sociology from Peking University

- ✧ MPA from John F. Kennedy School of Government, Harvard University
- ✧ Master of Law from Southwest University of Political science and Law
- ✧ Yale World Fellow 2007
- ✧ Aspen Fellow of China Leadership 2013-2015
- ✧ Vice President of China Marketing Research Association
- ✧ Part-time professor in Tsinghua University, Zhejiang University, Southwest Jiaotong University, Communication University of China, Central Academy of Arts, etc. Part-time mentor of EMBA/MBA/MPA.
- ✧ More than 40 books published in respects of Management, Economics, Sociology, Politic science and Culture.

Session Speakers

A. Biopharmaceutical and Medicine:

Dr. Lieping Chen is United Technologies Corporation Professor in Cancer Research Professor of Immunobiology, Dermatology and Medicine (Medical Oncology), Director, Cancer Immunology Program at Yale Cancer Center, Yale University School of Medicine. He earned his medical degree from Fujian Medical University, China; his M.S. from Beijing Union Medical College; and a Ph.D. from Drexel University. Chen served as a professor in the Department of Immunology at the Mayo Clinic in Rochester, Minnesota (2000-2004), and was a member of the faculty of Johns Hopkins University School of Medicine (2004-2010) before coming to Yale in 2010.



Dr. Chen is the world's leading investigator in the characterization of cell surface co-stimulatory and co-inhibitory molecules that modulate immune responses. He is the first scientist to apply co-stimulation as a mean for cancer immunotherapy. His laboratory discovered immune suppressive function of the B7-H1 (PD-L1)/PD-1 pathway in cancer and first demonstrated using antibody to block this pathway to enhance tumor immunity for the therapy of cancer. His discoveries have led to the development of a drug that has achieved dramatic clinical trial results for melanoma, Hodgkin's lymphoma, bladder, stomach, ovarian, kidney, lung, and head and neck cancers.

Among his numerous honors and awards are a Presidential Award from Bristol-Myers Squibb (1996), Milton Fromer Memorial Lectureship (1996), American Cancer Society Research Scholar (2000), and keynote speaker in the Congress of the Spanish Society of Immunology (2011).

Dr. Weiguo Dai is a scientific director at Johnson & Johnson. His scientific and industrial impact has been reflected by his election into the inaugural Janssen Fellow class (total of 62), the highly prestigious scientific honor awarded to internationally recognized top scientists within Johnson & Johnson pharmaceutical R&D for their significant scientific contributions and organizational impacts. He has also been elected as a fellow of the American Association of Pharmaceutical Scientists (AAPS) for scientific excellence and contributions. Additionally, Dr. Dai is the recipient of several prestigious awards, including the Johnson & Johnson corporate 2011 Philip B. Hofmann Research Scientist Award in recognition of his outstanding achievement in the field of research and development.



B. Information Technology:

Richard Voyles: Associate Dean for Research at Purdue University, Assistant Director for Robotics and Cyber-Physical Systems at Office of Science and Technology Policy (OSTP) at the White House.

Head of the Collaborative Robotics Lab at Purdue and Director of the Robotics Accelerator, Prof. Voyles knows robots! With expertise in electrical engineering, mechanical engineering and computer science, Dr. Voyles' research interest includes novel robotic mechanisms, sensors, self-adaptive software, real-time control, and gesture-based human/robot interaction. His professional experience includes IBM, Avanti Optics, Integrated Systems and Dart Controls, tenured academic positions at the **University of Minnesota, University of Denver, and Purdue University**, positions with the federal government including leading the National Robotics Initiative at the National Science Foundation and Assistant Director for Robotics and Cyber-Physical Systems at the Office of Science and Technology Policy at the White House, and Board of Director positions on The Works, Easton Family Foundation, Minnesota Virtual Simulations and Mark V Automation.



Dr. Liangjie Zhang currently serves as the chief scientist and senior vice president of Kingdee International Software Group Company Limited. He is responsible for "SME management cloud" demonstration project which is national cloud major special project. He is elected as a National Distinguished expert by "thousands talents plan," leading talent in Guangdong Province. He serves in the expert committee and as vice chairman of the China Computer Federation, chairman of Shenzhen big data research alliances, Guizhou Province Big Data Industry Expert Advisory Committee. He is a Fellow of Institute of Electrical and Electronics Engineers (IEEE Fellow) and ACM Distinguished Scientist. Dr. Zhang was a senior researcher and project director of business application architecture and implementation major special project at IBM Watson Research Center, chief architect of IBM Software Group industrial standards, product manager of IBM first generation of Internet technology (1996-1997). He is the founding editor of IEEE Transactions on Services Computing. He received the IBM Outstanding Innovation Award, IBM Outstanding Technical Achievement Award, IBM outstanding research achievement award, contributed to IBM's multibillion-dollar revenue from his outstanding performance and leadership. He was invited to serve as guest professor at Beijing University, Tsinghua University, Wuhan University, Beijing University of Posts and distinguished visiting professor at Shenzhen University. He has published 160 papers and received 50 patents.





Dr. Tong Fang, Founder and CEO of Dreamuniversal 3D Technologies Inc, to develop advanced technologies for motion-capture based 3D digital content smart generation. Before that, he was head of Visual & Solid Modeling research group and Senior Key Expert Scientist at Siemens Corporate Research, to conduct research and development in the fields of computer vision, industrial and medical image processing, pattern recognition, 3D geometric modeling and visualization. Under his leadership, his group has made significant contribution on Siemens medical imaging devices including Ultrasound, MRI, CT and X-ray by developing advanced technologies to improve image quality for better clinical diagnosis. In addition, he built the 3D Geometric Modeling technology field at Siemens and developed the world's first automated 3D modeling system for Siemens hearing aid digital manufacturing. He has successfully introduced 3D geometric modeling technologies to personalized implant design and surgical pre-operative planning applications. He has published 50+ papers and has 100+ international patents awarded including 64 US patents.

During his Ph.D. study at Rutgers from 1995-1999, he was one of main contributors for developing the world first multi-material 3D Printer. He also got three Master degrees in Electrical and Computer Engineering, Industrial Engineering, and Management. He is life member of Chinese Association for Science and Technology, USA and was President of CAST-USA in 2011.



Dr. Ni Kai, Baidu deep learning Institute Senior Architect. Dr. Ni received B.S., M.S. degrees from Tsinghua University, and Ph.D. Degree in Computer Science from Georgia Institute of Technology. His principal research interests are in computer vision and robotics. During the study, he worked as intern at Adobe, Microsoft Research in the United States, and Microsoft Research in Cambridge, UK. After graduation, he worked as a researcher at Microsoft's Redmond headquarters, where he has been involved in a number of projects on Simultaneous Localization and Mapping, indoor and outdoor three-dimensional scene reconstruction, depth sensor, the camera pose estimation, augmented reality and other research projects. He is currently senior architect in Baidu deep learning Institute, responsible for 3D vision research and the field of robotics.

C. Energy & Environmental Protection:



Dr. Ming Yang, Energy and Climate Change Specialist, Global Environment Facility of the World Bank. In December 2008, Dr. Ming Yang joined the Global Environment Facility of the World Bank Group as Sr. Environmental Economist. His major work covered the System for Transparent Allocation of Resources (STAR), a new system to allocate GEF resources to recipient countries. Now, as Sr. Climate Change Specialist in the GEF, he is managing GEF China projects that are related to climate change mitigation.

Prior to joining the GEF/World Bank Group, Ming worked for four years as Energy and Environment Economist and Energy Technology Economist at the International Energy Agency (IEA) of the OECD in Paris. Before that, he had been in the Asian Development Bank as Energy Adviser and Climate Change Specialist for two years.



Mr. Knut Stamnes is a Professor in the Department of Physics and Engineering Physics, and Director of the Department of Physics and Engineering Physic at Stevens Institute of Technology in Hoboken New Jersey. Professor Stamnes is specialized in environment and climate-related studies, atmospheric radiation, and atmospheric remote sensing. He has published more than 200 research papers and three books. He is a fellow of OSA, a fellow of SPIE, and was elected member of the Norwegian Academy of Technological Sciences in 2009.



Dr. Feng An as a low carbon technology, automotive energy economic strategy and Policy Research on climate change in the field of international renowned experts, has more than 20 years of academic, business, government and non government organization work experience. He founded the energy and innovation center in Beijing, China and the United States, California, is a non-profit think tank, to study the low carbon development and climate change policy. Under his leadership, energy and transportation innovation center has developed into a carbon management, clean energy and energy efficiency, low carbon transportation areas of professional research institutions. Recently, the center for energy and transportation innovation and the U. S. Department of Commerce has established a Sino US clean technology center. Dr. An participated in the Sino US clean energy cooperation projects in the clean car project.

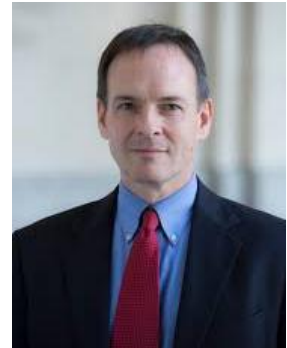


Dr. Yuyang Gong received his bachelor and master's degree from Beijing University. He obtained the Ph.D. in engineering in the United States. After more than ten years of work and life in the United States, he returned to China in 2001. Currently, he is president of the managing director of the Yishite China limited company. Dr. Gong has long been engaged in contaminated site investigation, risk assessment and restoration project, and related policies and regulations and institutional management, and actively engaged in public welfare work.

D. International Talent Cooperation:

Robert Daly, Director of Kissinger Institute on China and the United States.

Robert has directed the Kissinger Institute on China and the United States at the Wilson Center since 2013. He came to the Wilson Center from the University of Maryland, where he served from 2007 until 2013. Prior to that, he was American director of the Johns Hopkins University-Nanjing University Center for Chinese and American Studies.



Mr. Daly began work in U.S.-China relations as a diplomat, serving as cultural exchanges officer at the U.S. Embassy in Beijing in the late 1980s and early 1990s. He has taught at Cornell and Syracuse University and has worked on television and theater projects in China as a host, actor, and writer. In the 90s, he helped produce Chinese-language versions of *Sesame Street* and other Children's Television Workshop programs.

Mr. Daly has lectured at scores of Chinese and American institutions, including the Smithsonian Institution, the East-West Center, the Asia Society, PACOM, and the National Committee on U.S.-China Relations and serves as a regular commentator on U.S.-Chinese relations for Chinese and American media. He has lived in China for 11 years and has interpreted for Chinese and American, including Jiang Zemin, Yu Zhengsheng, Jimmy Carter, and Henry Kissinger.

Carola McGiffert, President of 100,000 Strong Foundation

The State Department's 100,000 Strong Initiative and now the independent 100,000 Strong Foundation have enjoyed the generous support of a number of private sectors donors. Organizations are able to tailor their contributions to meet their own philanthropic and business priorities

Carola McGiffert is President of the 100,000 Strong Foundation. Until recently, she was a Senior Advisor to the Assistant Secretary for East Asian and Pacific Affairs at the US Department of State, where she served as the director of the 100,000 Strong Initiative, a presidential effort to increase the number and diversity of Americans who study in China. Previously, she co-founded StratAsia, a boutique consulting firm that helped American companies do business in Asia. From 2002 to 2009, she worked at the Center for Strategic and International Studies (CSIS), a Washington, DC-based think tank, as a senior fellow and chief of staff to the CEO. Ms. McGiffert began her career in the Clinton White House, with subsequent stints at the US Department of Commerce and the Office of the US Trade Representative, where she was part of the China WTO working group. She received an M.A. in Chinese Studies from Johns Hopkins School of International Studies and a B.A. in government and economics from Wesleyan University.



Dr. William Y. B. Chang is the Head of its East Asia and the Pacific Region, National Science Foundation. He was the first Director of the National Science Foundation's Beijing Office and S&T Attache at the U.S. Embassy in Beijing starting in May, 2005. After completing his service in China, he returned to the Office of the Director in November, 2008.



Prior to heading NSF's Beijing Office, Dr. Chang was the Program Director responsible for the Foundation's cooperative programs with China, Taiwan, Mongolia and Southeast Asia, in the Office of International Science and Engineering (OISE). He joined the Foundation in 1988 as China Program Manager in the Division of International Programs. He has long been active in NSF activities related to cyberinfrastructure development. For example, he initiated the Pacific Rim Applications and Grid Middleware Assembly (PRAGMA), the Pacific Rim Experience for Undergraduates (PRIME) and served on NSF's Cyberinfrastructure Working Group. He also contributed to the successful connection of GLORIAD, an advanced Internet linkage for research and education between U.S.-China-Korea-Russia. He started the East Asia Long-Term Ecological Research Network in 1995. In addition to his regular NSF responsibilities, he also served as Program Director of the International Research Network Connection Program between November, 2008 and January, 2010.

Before coming to NSF, Dr. Chang was a faculty member in aquatic ecology at the University of Michigan between 1979 and 1988. He received his M.A. (1975) and Ph.D. (1978) in biology from Indiana University, with a minor in mathematics and statistics. He earned his M.S. in marine science from the University of the Pacific in 1973. From 1990-1993, in addition to his NSF position, he also served as a Distinguished Visiting Scientist at the U.S. EPA's Environmental Research Laboratory at Corvallis, Oregon, leading an international research effort on the impact of monsoons on large lake ecosystems.

He has served as science advisor to many research institutes and national committees, and as Senior Technical Adviser to the United Nations Development Program. Dr. Chang is the author of more than ninety publications in the areas of ecology, environmental science, and water resources. He has edited three books, and serves on the advisory and editorial boards of five learned societies.



Prof. Yuguang Guo is “985 Program” Distinguished Professor of International and Comparative Education at the China Institute of Education Policy at the Beijing Normal University and immediate past Director of the Center for Global Studies in Education at Shanghai University of Finance and Economics, China. He is currently also serving as Guest Professor of Tongji University, Professor and Director of the Center for International Studies in Education at the US Asian Cultural Academy, Research Consultant to the US National Science Foundation, and Academic Advisor of the Bridging Nations. His main research interests are global human capital and education policy, international talent

mobility and circulation, creative capital and regional development. Being a trilingual --- Chinese, English and Russian, he has conducted quite a number of research projects covering a variety of topics related to the education, S&T policy and human development in the Asian and Pacific region, North America, and Europe. He is a frequent speaker invited at conferences or forums including the US DOS/DOC/NSB/NSF, the APEC, the VOA, the BEST, and a number of other academic institutions both in USA and China. A number of his policy reports were submitted to the top leaders of China and attracted great attention from them.

Startup Competition

"Startup competition" is the first time in the history of Chinese Association for Science and Technology US-China startup competition and take advantage of CAST having more than twenty branch and liaison offices between China and the US, gathered a large number of high-end talents. With the Sino-US venture capital matching, it provides a high-quality learning, exchange and development across all platforms, technological innovation and entrepreneurship and creates a favorable environment to promote the Sino-US technology, personnel, capital and market combination.

The competition will be the highlight of the CAST annual conference. We will build a strong entrepreneurial star project, by inviting professional training, well-known venture capitalist project site reviews roadshow, investors and entrepreneurs to arrange one to one interviews and other means, and network media pluralism publicity for innovative companies to create a favorable business environment , secure adequate financial support, paving the road of development.

Highlights

- The competition will come from more than a dozen regions from US and several cities from China;
- The competition will be three rounds of screening, the first round of selection criteria to ensure that projects meet the basic requirements; second round is online review though online rating system; the third round is live presentation for finalists;
- Online review and on-site assessment will be performed by both experienced professionals and investors as a judge, outstanding projects will be eligible for entrepreneurship mentoring opportunities;
- Winning projects will directly work with investors.

Important Dates

July 15 began collecting projects;

September 20 ended call for proposals;

October 10 finalists live presentation for first, second and third prizes and “alternative energy and environment” special award with some incentive.

Entry requirements

- Project Features: worldwide have SME projects forward-looking and innovative, market-leading technology or production service class entrepreneurial team, scientific research teams.
- Focus on: the mobile Internet, robotics, medical wisdom, new energy, new materials, environmental protection, Cloud computing, big data, financial Internet, O2O, start-ups and other things in the field (for example: Intelligent hardware, Wearable, intelligent home, etc.).
- The early stage of startup has a range from prototype to revenue less than 500K.

Detailed business plan criteria can download the guide.

Contest Rewards

All finalists first, second and third class projects will receive certain cash awards; it includes “CIC” special award for “alternative energy and environment”, please mark it on the application form in order to be considered the special award.

The principal of all outstanding projects gets free VIP tickets.

Judge

Dr. Victor Yuan (Chief Judge), Chairman of Horizon Research Consultancy Group, Founder and CEO of Pegasus, famous Angel Investor.

Mr. Henry Shi, Redstone Capital Angel investor, past CAST president.

Mr. Alan Wu, Angel investor and serial entrepreneur, invested and started 7 companies.

Mr. Mason Chenn, Managing director of Lumen Point Group, an investment manager and business operator.

Mr. Leo Wang, angel investor, one of China's most diligent angel investors, founded and managing partner of "PreAngel", a venture capital fund management with multiple funds.

Dr. John Jiang, Global Research and Development Department, senior research architect in fortune 500 companies, across many areas of industry, to act as judges in several entrepreneurial contests.

Dr. Richard Tao, biopharmaceutical company co-founder and president of the Washington International Chamber of Commerce, involved in entrepreneurship competition review.

Dr. Jack Ding, Senior technologist and entrepreneur. Led startup up to 50 people as CTO, CEO in the past and preparing his next venture.

Mr. Chuck Wu, PreAngel US fund Partner and angel investor, Tsinghua, UC Berkeley Alumni.

Mr. Sam Wu, SamSoft founder and senior technologist, assisted venture firms for project review.

Ms. Yiping Ni founding partner of China emerging technology Investment (Hong Kong) and China Low Carbon Society president, Angel Investor who was with us a few weeks ago and many of you have become her friends now.

Mr. Gary Jiang, Senior technologist worked at a number of Fortune 500 companies and leading many innovative projects, served in various competitions judge board. He has published his book: Innovation portfolio management and he is working his next book which is also related to Innovation and entrepreneurship. Good luck with your book – Gary.

Mr. Louis Li, co-founder and CIO of Traget Technology (Shenzhen) Co., involved in entrepreneurial projects review.

Peihe Zhang, Chairman of Hengyuan Investment, deputy secretary general of Tsinghua Investment Association, Tsinghua University student entrepreneurs X-lab business mentor.

Point of contact : Mr. Jason Wang , Phone : +1-240-753-5586;

Dr. Shane Wu , Phone : +1-202-815-6952;

Mr. Bill Chen , Phone : +1-832-265-7565.

Email : cast2015@castdc.org

Website : www.cast-usa.net

Conference Participants

- Internationally renowned scholars
- Internationally renowned science and technology industry sector
- China and the US investment community
- International entrepreneurs , creators passengers, Geeks
- College students in the United States
- Government officials
- CAST members from 12 regional chapters, 7 to-be-built regional chapters and 11 liaison offices in China

China Delegations:

- Jiangsu association science & technology delegation
- Shandong association science & technology delegation
- Chongqing Delegation
- Yunnan Overseas Chinese Delegation
- Qingdao High-tech Zone Delegation
- Guangzhou High-tech Zone Delegation
- Chengdu High-tech Zone Delegation
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Conference Registration

Conference Fee

All conference programs (including Oct. 9 Opening Ceremony and Banquet, Oct. 10 Conference, Lunch and Banquet): \$250

Oct. 9 Opening Ceremony and Banquet: \$150

Oct. 10 Conference, Lunch and Banquet: \$100

Valid CAST members: 20% Off

Early registration: before Aug. 31: 20% off

between Sep. 1 and Sep. 30: 10%

Conference Registration Link:

<https://www.tavatta.com/cms/index.php?conference=iuiadcevent&schedConf=castifti&page=index>

Deadline: **October 4, 2015**

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Email: cast2015@castdc.org

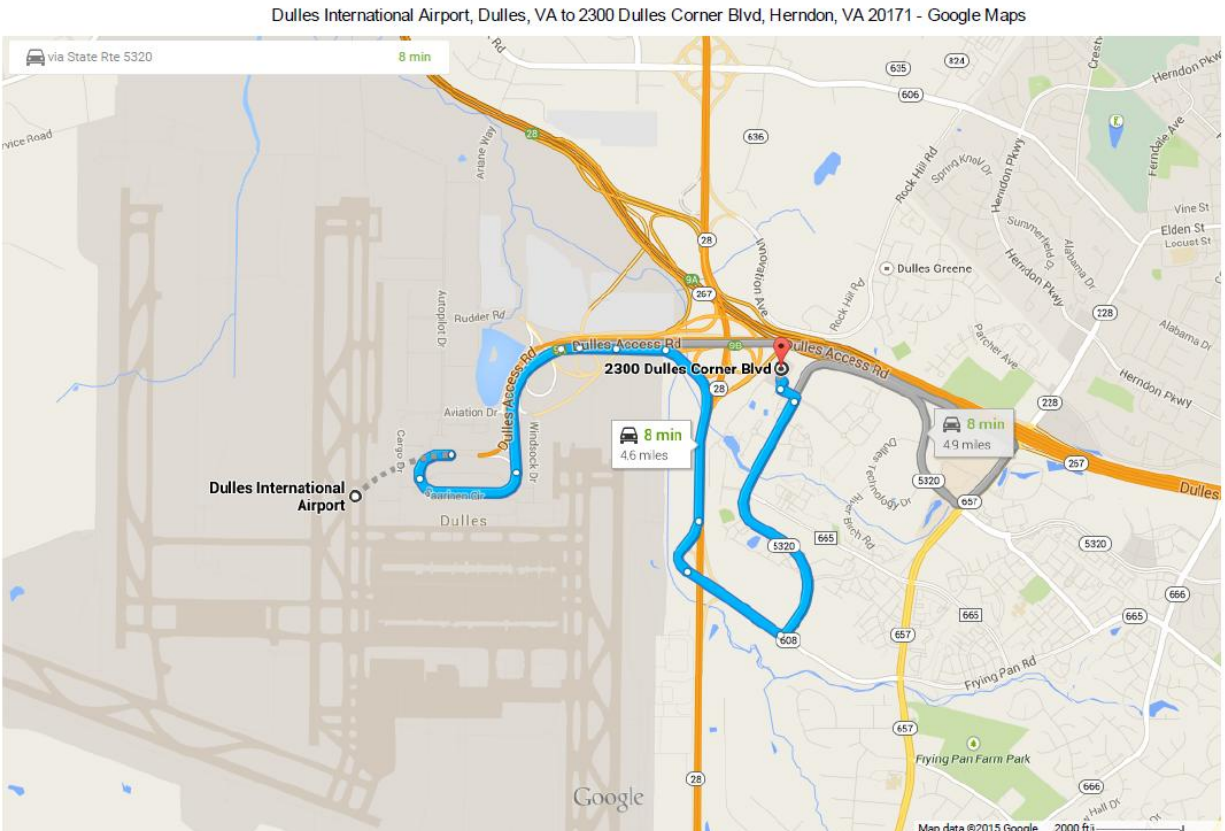
Web: www.cast-usa.net

Conference Venue

Hyatt Dulles at Dulles International Airport

2300 Dulles Corner Blvd, Herndon, VA 20171

Tel.: (703) 713-1234



Driving Direction: Take airport Shuttle to the hotel.

Conference Exhibition Hall

HYATT
DULLES
AT DULLES INT'L AIRPORT

2300 DULLES CORNER BOULEVARD
HERNDON, VA 20171

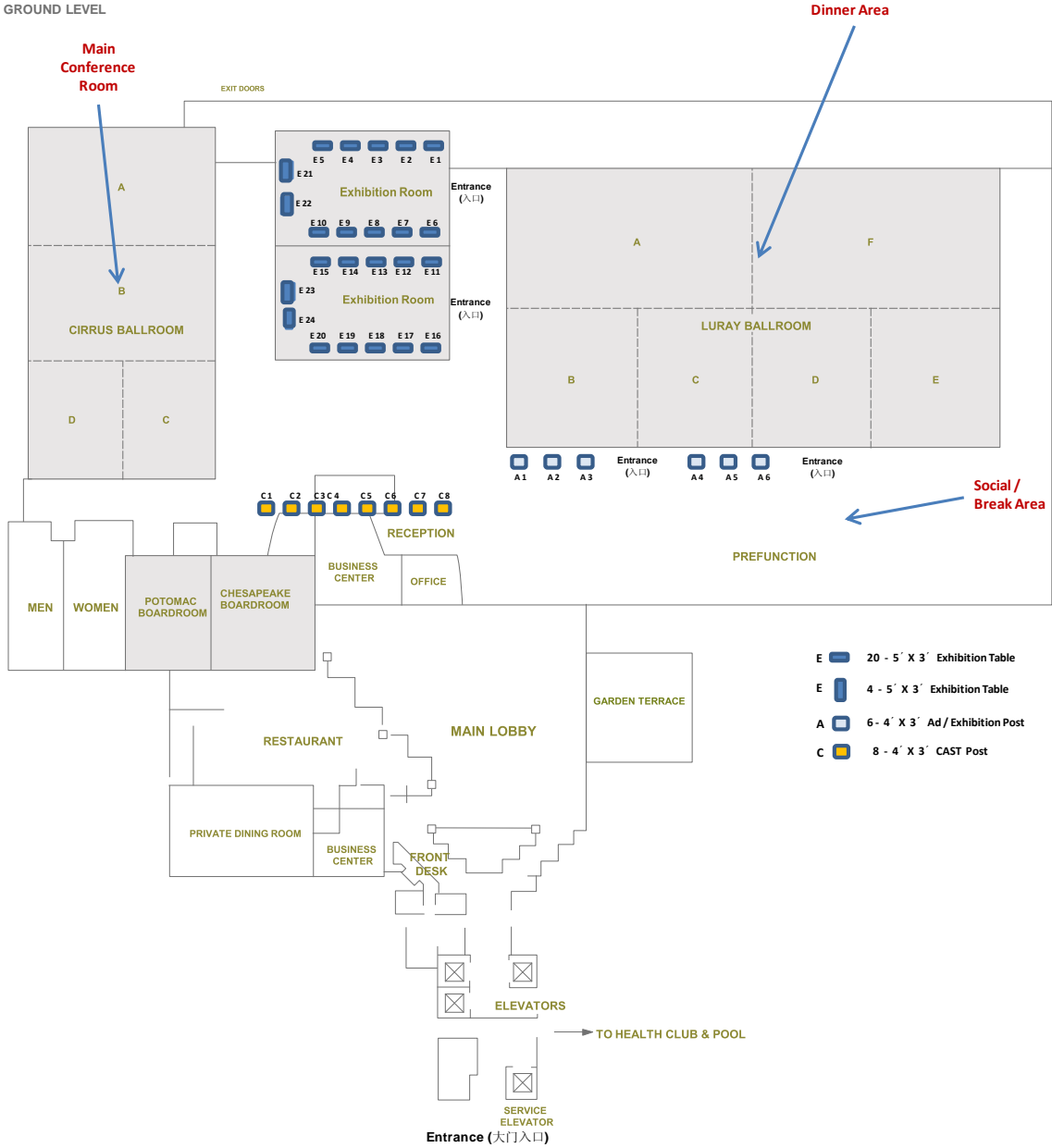
T + (703) 713 1234
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Chinese Association for Science and Technology, USA (CAST-USA)

The Chinese Association for Science and Technology, USA (CAST-USA: www.cast-usa.net) is a non-profit and non-political organization. It was founded in August 1992 in New York City. The missions of CAST-USA include: 1) to build relationships and exchange programs between China and United States in the areas of science, technology, education, culture, business, trade and other fields; 2) to promote traditional Chinese culture and provide local Chinese community activities to the general public in the United States; and 3) to provide networking and collaboration opportunities among Chinese scholars and all professionals in the United States.

CAST-USA is a cross-regional, cross-industry, integrated technology group. The majority of CAST-USA members are Chinese-American professionals, who hold advanced degrees in science and technology, education, business, law, medicine, art and other fields of endeavor. CAST-USA is growing at a rapid pace with more than thousands of members in more than 30 states across the United States, working in universities, industries, government agencies and other sectors, many in the world's top 500 multinational corporations, or well-known large companies, universities or research institutions. Currently CAST-USA consists of 12 regional chapters & 7 to-be-built regional chapters in the United States and 9 liaison offices in China. CAST-USA has an Executive Board responsible for daily operations and management, a Board of Governors to propose a revision to CAST-USA Bylaws, an Advisory Board, and a Board of Directors to review and approve amendments to CAST-USA Bylaws and vote on the impeachment motion initiated by the Board of Governors. CAST-USA has the following famous Honorary Advisors: Prof. Jian Song, Prof. Chen-Ning Franklin Yang, Miss Anna Chan Chennault, Prof. Guangzhao Zhou, Prof. Lilan Zhu, Prof. Yongxiang Lu, Mr. Man-Chung Tang, and Prof. Dan Shechtman, Prof. Mario Capecchi and other academic and social celebrities.

CAST-USA and its chapters hold regular academic seminars and provide academic exchange platform for members. CAST-USA regularly publishes the “Overseas Scholars” magazine and newsletter. The contents include a presentation of academic activities, the latest news of the science, technology, and business sectors, job and investment opportunities, and immediate concerns from many members. CAST-USA and its chapters hold nation-wide annual conferences and regional conferences, and dozens of academic lectures and academic seminars, which invite many well-known celebrities to address and discuss academic and social issues. CAST-USA is now one of the most-recognized organizations among Chinese professionals in the United States. It is the leading institution dedicated to the promotion of understanding between Americans and ethnic Chinese in the United States. Since its foundation, CAST-USA has established strong ties with the scientific and technological communities both in the United States and in China.

Current President of CAST-USA is Yunming Song, Chairman of the Board of Governors Howie Yu, Chairman of the Board of Directors Yiqiang Cai, President-Elect Zhixiong Chen. Former presidents of CAST-USA are Huakang Zhou, Qiu Zhang, Zhenchun Xu, Chongqing Lu, Qiyuan Ma, Mengchu Zhou, Jiaye Xie, Shuigen Xiao, Hong Shi, Yousuo Zou, Minyue Lin, Feiyue Wang, Bailian Li, Li Zuo, Lu Shen, Qiang Lu, Daniel Zeng, Tony Fang, Xiaoming Sheng, Yiqiang Cai, and Howie Yu.