

# US-China Summit Innovation, Entrepreneurship & Collaboration &

# 25th CAST-USA Annual Convention

October 6-9, 2017

New York City, New York

科技创新,创业与国际合作高峰论坛 一暨中国旅美科技协会第 25 届年会 2017年10月6-9日,美国纽约曼哈顿





主办:中国旅美科技协会(CAST-USA)

承办: 旅美科协大纽约分会(CAST-GNY)

协办单位: 旅美科协各个分会, 筹备分会, 国内联络处和办事处



**分会**:大纽约分会,波士顿分会、康州分会、华盛顿分会、佛罗里达分会、南佛罗里达分会、 洛杉矶分会、北卡分会、匹兹堡分会、圣地亚哥分会、硅谷分会、德州分会、犹他分会、西弗吉 尼亚分会,内州分会,亚利桑那分会、

筹备分会: 亚特兰大、芝加哥、丹佛、休斯顿、内布拉斯加、费城、西雅图

国内办事处:北京、上海、广州

国内联络处:南京,杭州,大连、济南、青岛、重庆、成都、安徽、长沙、东莞



中国侨联(10.8活动)

合办单位:



哥伦比亚大学亚太发展协会 (10.8活动)



Office of Ydanis Rodriguez (Oct. 9th Summit)



# Welcome

It is our honor to welcome all of you to the US-China Summit on Innovation, Entrepreneurship & Collaboration, and the 25th Annual Convention of Chinese Association for Science and Technology, USA (CAST-USA), in New York City.

Ever since the founding of CAST-USA in New York City in 1992, one of its missions is to bring together industrial and academic professionals to the advancement, exchange and collaboration in science and technology, education and culture, business and trade. The four forums in this convention, Biopharmaceutical and Medicine, Information Technology, Renewable Energy and New Materials, and Educational Technology, are generated to fulfill this and other missions of CAST-USA.

The theme of the convention is Innovation, Entrepreneurship & Collaboration. We are honored to have several significant keynote speakers committed at our convention, including 2001 Nobel Prize Laureate in Economic Sciences Dr. Joseph E. Stiglitz; Members of the United States National Academy of Sciences, Dr. Shoucheng Zhang, Dr. Xiaoliang Xie, Members of the United States National Academy of Engineering, Dr. Mischa Schwartz; MacArthur Fellowship Laureate Dr. Yitang Zhang; Consul General of PRC in New York Ambassador Zhang Qiyue; Vice Chairman of All-China Federation of Returned Overseas Chinese Mr. Zhuobin Li; Science and Technology Counselor of the Consulate General of PRC in New York Dr. Xing Jijun; Science and Technology Counselor of China Mission to the United Nations Mr. Liu Jun; Columbia University Executive Vice President Dr. Lee Goldman, US Congressman Mr. Adriano Espaillat; and NYC Councilman Ydanis Rodriguez.

Three awards of excellence will be honored in this convention to the successful Chinese American professionals in either industry and/or academics to recognize their long time and extraordinary contribution to the world, who are the outstanding model for the members of CAST-USA. One of the highlights added to this convention is the Young Elite Award to the highly achieved high school students in the states. The outcome we would like to accomplish is to motivate more young students think seriously on pursuing STEM in the states and build a pipeline for the future development of CAST-USA.

The convention continues the startup competition. We believe it is a process of learning. It should not mean the ending, rather the beginning of a new journey. We are glad that the CAST-USA can provide such a platform to promote innovation and entrepreneurship, and most importantly, it can seed such ideas to many young professionals as well as students.

On behalf of the organizing committee, we greatly appreciate all the sponsors, distinguished keynote and panel speakers, guests, media reporters, and in particular, our members, and volunteers. Together, we wish a great success of the 25th CAST-USA annual convention.

Organizing Committee of 2017 CAST-USA Annual Convention Chair, Bill JIANG, President of CAST-USA Co-Chair, Xinghua PAN, President-elected of CAST-USA Co-Chair, Charles SHEN, President of CAST-GNY

# 2017 CAST USA-China Innovation, Entreprenurship & Collaboration Summit 25th CAST-USA Convention 中国旅美科技协会第25届年会 / 美中创新、创业、合作发展峰会

		中国派关件政例云第23届中云/关		
9:00- 21:00, Oct. 7, 2017 (Sat.) 2017年10月7日(星期六) 9点到21点		International House near Columbia University 500 Riverside Dr, New York, NY 10027		
8:00	Registration注册	Front Door of the I-House (see sign)		
8:45-9:30	Opening Remarks	Welcome me	essage from CAST-USA leaders and VIPs	
9:30-10:20	Keynote 演讲嘉宾	Dr. Xiaoliang (Sunney) Xie, Mallinckrodt Professor of Chemistry & Chemical Biology at Harvard University 谢晓亮博士,美国国家科学院院士,美国文理科学院院士,哈佛大学教授		
		Speech: Life at the Single Molecule Level		
10:20-11:10	Keynote 演讲嘉宾	Dr. Yitang Zhang, Prof. of Mathematics at the Univ of California, Santa Barbara 张益唐博士, 麦克阿瑟天才奖获得者、加州大学数学教授		
		Speech: Problems on Prime Numbers		
11:10-12:00	Keynote 演讲嘉宾	Dr. Mischa Schwartz 博士, 哥伦比亚大学电气工程荣誉教授, 美国国家工程院院士,美国文理科学院院士,国际工程联盟院士		
		Speech: Mobile Wireless Communications: Past, Present and Future		
12:00-13:00	Lunch 午餐			
13:00-13:40	Keynote 演讲嘉宾	张钟浚博士,纽约Polytechnic大学前校长,国际著名电磁学专家,IEEEE终身院士和千禧年奖获得者		
	-10 J 1000 1901 1919	Speech: Another Facet of Sino-America	nn Collaboration in Higher Education: Campus Internationalization	
13:40-15:30		l and Medicine Forum (生物医药论坛) at Davis Hall	Renewable Energy/New Material Forum (可再生能源 / 新材料论坛 ) at Dodge Room	
		Ors. Airong Li & Hanting Zhang (李爱荣/张汉霆博士)	Forum Chair: Dr. Jinggong Pan (潘锦功博士)  Transitioning to Low Carbon Renewable Energy: Ideality and Reality	
13:40 - 14:10	Cultivation of Successful Biotech Entrepreneurs and Companies.Transitioning to Low Carbon Renewable Energy: Ideality and Reality方瑞贤博士: Kenson Ventures 创始人/主席琚诒光博士,普林斯顿大学可持续能源计划主任			
14:10 - 14:40	Fascin, Filopodia and Tumor Metastasis  New Dielectric Ultracapacitors Based on Domain-Engineered Perovskite Ferroele 黄新云博士,康奈尔大学医学院教授,美国文理科学院院士  Films 任宇航博士,纽约城市大学研究生院和亨特学院物理系教授			
14:40 - 15:10	Advances in Stem Cell Technology & Future Applications 宋洪军博士,宾夕法尼亚大学教授		吕锦标,保利协鑫能源控股有限公司,副总裁 中国多晶硅光伏产业的发展及合作前景 徐爱华, 中国有色金属技术经济研究院院长助理兼硅业分会秘书长	
15:10 - 15:20	Innovative Antibody Drug Discovery Platform 杨建国博士, President / CEO Abpro-China		周华康博士,四川阿波罗太阳能科技有限责任公司董事长	
15:20-15:30	Coffee/Tea Break			
15:30 -17:30	Information Technology Forum (信息技术论坛) at Davis Hall Forum Chair: Dr. Jizhong Xiao (肖继忠博士)		Special Topics Forum (特别话题论坛)at Dodge Room Forum Chair: 时瑜	
15:30 - 16:00	Automatic 3D Facial Behavior Analysis for Human Emotion Understanding 尹立军博士,纽约州立大学宾汉姆顿分校计算机系教授		Influence of Power Battery Development on the Demand for Nickel & Cobalt (动力电池发展对镍钴需求的拉动),范润泽,安泰科信开发有限公司 Research on China's Lithium Resources and Its Potential Application (中国锂资源开发现状及潜力研究),李冰心,锂业分会副秘书长	
16:00 - 16:30	Geometric Interpretation to Deep Learning 顾险峰博士,美国纽约州立大学石溪分校计算机系终身教授		中国当前的基本经济问题 王军生博士,中国投资协会副会长, 中国民主同盟中央经济委员会副主任	
16:30 - 17:00	Recommendations on Safety Landing of Blockchain Projects. 黄连金博士,华为副总,首席区块链专家和首席管理系统架构师		Build a World Class Pharmaceutical Company, PuraCap from 0 to 1, and from 1 to 2 郭大海,美国普克药业公司创始人兼CEO	
17:00 - 17:30	New Technologies: the Pivots of the Inclusive Financial Services 蒋国飞镇士,蚂蚁金服副总裁		Mergers and Acquisitions, Catherine Pan, Partner in Dorsey & Whitney's Corporate Department 中国全面发展通用航空是美国通用航空业届的重要机遇 徐昌东,President,Western Returned Scholars Association Entrepreneur Alliance	
17:30 - 18:30	Social and Networking			
18:30-21:00	Banquet and Award Ceremony 晚宴/颁奖	邢继俊科技参赞,中华人民共和国驻纽约总领事馆		
		张首晟博士,美國文理科學院院士,美国国家科学院院士,中国科学院外籍院士, 斯坦福大学讲座教授 Speech: Electron Superhighway		
		旅美科协年度三大奖颁奖典礼 / 杰出青少年奖颁奖典礼,科协25周年庆祝晚宴		

# 2017 CAST USA-China Innovation, Entreprenurship & Collaboration Summit 25th CAST-USA Convention

# 中国旅美科技协会第25届年会/美中创新创业合作发展峰会

2017 CAST USA-China Collaboration Forum: Investment & Development in US Infraucture 25th CAST-USA Convention 中国旅美科技协会第25届年会 / 美中合作高峰论坛					
-	2017 (Monday) 9日(星期一)	The Roy and Diana Vagelos Education Center, Columbia University,104 Haven Avenue New York, NY 10032			
Afternoon Session: US-China Collaboration Summit下午专题: 美中合作高峰论坛					
13:00 13:30		Refreshment & Registration 茶点&注册			
13:30 13:35	Opening 开幕	Mr. Ydanis Rodriguez, New York City Council Member Mr. Charles Shen, President of CAST-USA, Greater New York Chapter			
13:35 – 13:50	Special Remarks 致辞	Mr. Lee Goldman, Columbia Univ. EVP & Dean Health Sciences & Med. Mr. Adriano Espaillat, United States Representative Ms. Carmen De La Rosa, New York State Assemblywoman Ms. Marisol Alcantara, New York State Senator Ms. Grace Shu, United States Public Health Service Advisor Mr. Jiang Weimin, President of CAST-USA Mr. Chen Zhixiong, Chairman of Board of Governors of CAST-USA Mr. Xing Jijun, Sci. & Tech. Counselor of Consulate General PRC in NY Mr. Liu Jun, Sci. & Tech. Counselor of China Mission to the UN			
13:50 – 14:20	Keynote 主题演讲	Developing & Investing in Northern Manhattan  Mr. Ydanis Rodriguez, New York City Council Member			
14:20 – 14:50	Keynote 主题演讲	Lessons from China's Experience Mr. Xiao Yuqiang, Chairman of US Management Committee of Industrial & Commercial Bank of China			
14:50 - 15:50	Panel 专题论坛	Public-Private Partnerships: Developing & Investing in Infrastructure Moderator: Mr. Charles Shen, President of CAST-GNY Panelists: Mr. Feniosky Peña-Mora, Armstrong Prof. of Columbia University, Former Commissioner of NYC DDC Mr. Seth Pinsky, EVP of RXR Realty, Former President of NYC EDC Mr. James Salter, Founder of Construction Management & Development			
15:50 - 16:50	Panel 专题论坛	Developing A Community for All Committing to Inclusive Development; Fostering Art, Technology and Entrepreneurship Moderator: Ms. Lin Fanyu, Vice President of CAST-GNY Panelists: Mr. James Patchett, President & CEO of NYC EDC Mr. Joseph Barba, Prof. and Director Student Entrepreneurship at CUNY Mr. Grant Jiao, Managing Director of Gemdale USA Corporation			

# CAST-USA Outstanding Awards 旅美科协奖

旅美科技协会自 2015 年起设立三大奖。其宗旨在于树立北美华人科学家和企业家成功楷模,彰显新一代华人的卓越贡献和成就,鼓励和激励海外学人为人类造福,促进华人学者的团结和合作。

Excellence in Science & Technology Innovation Award (科技创新卓越奖)

Extraordinary Scientist Award (卓越科学家奖)

Extraordinary Scientist & Distinguished Entrepreneurial Leadership Award (杰出科学家和卓越创业领袖奖)







#### 谢晓亮博士科技创新卓越奖

#### Dr. Xiaoliang Sunney Xie, Excellence in Science and Technology Innovation Award

谢晓亮博士是单分子生物物理化学、相干拉曼散射显微成像技术、单细胞基因组学的开拓者,在相关新兴交叉学科做出了创造性贡献。他是单分子酶学的奠基人之一,大幅发展改良了单分子荧光显微镜技术,对相干反斯托克斯拉曼散射显微镜以及受激拉曼散射显微镜,做出了创造性的巨大贡献。谢晓亮博士也致力于应用单细胞基因组学技术进行体外受精卵植入前遗传病筛选和诊断以及早期癌症的诊断,他的团队在中国的工作,已使得几百个新生儿成功地避免了他们父母的单基因遗传疾病。

#### 张首晟博士杰出科学家和卓越创业领袖奖

#### Dr. Shoucheng Zhang, Extraordinary Scientist & Distinguished Entrepreneurial Leadership Award

张首晟的代表性工作为高温超导的 SO(5) 理论、4 维量子霍尔效应、室温无耗散自旋流等。他领导的研究团队于 2006 年提出了量子自旋霍尔效应,通过控制电子的自旋运动来降低能耗提出的新构想在理论上完成了预言。2007 年这一理论预言被德国维尔茨堡大学实验小组通过实验证实; 2008 年理预言"量子反常霍尔效应"。张首晟联合硅谷企业家们共同创办了华源科技协会。任创业导师,帮助学生创办公司,作为天使投资人,成功的投资多家公司。又与谷安佳联合创立丹华资本,规模已近一亿美元,投资多家公司。

#### 张益唐博士卓越科学家奖

#### Dr. Yitang Zhang CAST-USA Extraordinary Scientist Award

张益唐博士证明了在数字趋于无穷大的过程中,存在无穷多个之差小于 7000 万的素数对。这一工作很深邃,结论非常深刻,对数学界最著名的猜想之一孪生素数猜想的破冰性工作。

# 江苏省产业技术研究院冠名

# 创新创业大赛



由江苏省产业技术研究院特别冠名的2017旅美科协创业杯于10月8号在著名的美国纽约哥伦比亚大学举行。这次大赛继续秉承为北美华人创业服务的宗旨,为创业团队的发展搭建平台,为中美两方项目投资和市场等各方资源对接建立桥梁。旅美科协杯2015和2016年连续成功举办了两届北美创业大赛后,已作为一个有影响的北美创业大赛获得了众多中美投资机构的关注和赞助。这次旅美科协科协杯创业大赛首先在全美召集项目,通过各分会筛选,全美一起初评,最后有下面8个项目获邀参加总会总决赛。大赛还特邀了成功的企业家和投资者比如李丰,张璐,罗飞,梁刚和吴刚等作为这次大赛的评委。这次大会很高兴地请到了中国侨联李卓彬同志副主席,中国驻纽约总领馆科技处邢继俊参赞,烟台组织部刘庆副部长,南京江宁科协邢祯雁主席等作为颁奖嘉宾。

- Application of Functional Nano-materials for In-door Air Quality
- 第三代纳米孔DNA测序仪
- 激光烧蚀高速宽幅打印
- 聚量智能交易机器人工厂方案

- 抗视疲劳头戴式显示器
- Nanocellect Biomedical Device
- Portable Point-of-care device for rapid bacterial quantification
- 科思通精密机器和产业机器人

# The Young Elite Award (YEA) 优秀青少年奖



优秀青少年奖是旅美科协教育的旗舰项目之一。YEA 旨在鼓励旅美科协成员的子女们取得杰出的学术成绩,发展领袖技能,培养对科学和工程的强烈兴趣,并擅长课外和社区服务。这些素质和技能将使他们成为这个竞争激烈的全球市场的领导者。该奖项也旨在帮助他们对社会产生正面影响。

The YEA is one of the flagship programs, designed to recognize the achievements of younger generation of CAST members who have demonstrated extraordinary level of academic performance, leadership skills, commitment in extracurricular and community service. Candidates are from grade 9 to grade 11. Each summer, nominations are sent to the CAST-USA Education Committee for review. The top 10 finalists are awarded and invited to the annual meeting of CAST-USA for the award ceremony. Since the introduction of YEA in the year of 2016, a total of 20 Young Elites, coming from six states are carefully selected and recognized. A highlight of thee YEA award ceremony is our focus on STEAM experience. During the ceremony, the awardees having the opportunity to attend the full CAST-USA science and technology conference and will be invited to attend a meet-and-greet with members of National Academy of Science, National Academy of Engineering, or Nobel Laureates guest speakers.

2017 YEA

Tiffany Fang, NJ Weichu Yu CT Bowen Xiao, NJ Alex Dong, Utah Andrew Lu, NY Xukai Lin, PA

Catherine Yu, NJ Grace Wang, Utah

Katherine Zhang , NJ
Alicia Peng, PA

# United States Senate

**WASHINGTON, DC 20510-3203**October 9, 2017

#### Dear Friends:

Please accept my warmest greetings and congratulations as you gather for the Chinese Association for Science and Technology's 2017 US-China Summit. I am grateful for the opportunity to recognize the great work done by CAST-USA on this auspicious occasion.

Chinese Association for Science and Technology is a non-profit organization founded in New York City in 1992 dedicated to promoting mutual understanding, friendship and collaboration between US and China. Over the past 25 years, the organization has grown to 16 regional chapters across the country, and became a leading organization for tens of thousands of Chinese American professionals. I applaud the commitment and dedication you have put on the development of more infrastructure project opportunities in New York. CAST-USA is an inspiration to us all.

Again, congratulations and thank you for all your dedication. I am confident that the Chinese Association for Science and Technology will continue to have a positive impact our communities and State for many more years to come. Best wishes for a wonderful summit

Sincerely,

Charles E. Schumer
United States Senator

# 国务院侨务办公室

# 贺 信

中国旅美科技协会:

版闻贵会举办"美中创新创业与合作发展高峰论坛暨美国中国旅美科技协会 25 周年年会", 我谨代表中国国务院侨务办公室, 致以热烈的祝贺!

长期以来,贵会秉持办会宗旨,促进会员团结协作,支持会员事业发展,维护会员合法权益,引导会员创新创业,推动中美各领域交流合作,作出了积极贡献,取得了累累硕果,凝聚力和影响力不断提升。

希望贵会顺应时代潮流,再接再厉、勇于创新,以服务会员为已任,在调动会员参与中国创新发展、促进中美友好交流方面,进一步发挥桥梁纽带作用。

祝论坛和年会取得圆满成功!

中国国务院侨务办公室主任 岩 指导

2017年10月

# 中华全国归国华侨联合会

中国旅美科技协会:

於闻 2017 美中创新创业与合作发展高峰论坛暨中国旅 美科技协会 25 周年年会将于 10 月 6 日至 8 日在纽约曼哈顿 举办, 谨代表中国侨联和我本人致以诚挚祝贺!

中国旅美科技协会自 1992 年成立以来, 秉持促进中美 多领域交流与合作、弘扬中国传统文化、加强旅美华人专业 人士团结的宗旨, 广泛联系在美华侨华人专业人士, 积极融 入主流社会, 为会员以多种形式参与和支持祖 (籍) 国建设 牵线搭桥, 作出积极贡献。

此次年会上,将为谢晓亮先生颁发"科技创新卓越领袖奖",为张益唐先生颁发"卓越科学家奖",为张首晟先生颁发"杰出科学家和卓越企业领袖奖"。请代我向获奖者表示衷心的祝贺!我们为海外华侨华人专业人才取得的成绩感到由衷的高兴,也祝大家在未来的科研和工作中再创佳绩!

今年6月,中国旅美科技协会代表团来到中国侨联,我们进行了友好务实的交流,希望旅美科协在将来的工作中,和中国侨联一道,在团结凝聚新侨高层次人才、支持新侨人才创新创业等方面深化合作,携手开创新局面!

预祝年会取得圆满成功!

祝全体会员身体健康, 家庭幸福, 平安和顺!

中国侨联主席

五元级

2017年9月

# 欧美同学会(中国留学人员联谊会)

# 質信

中国旅美科技协会:

在"2017 美中创新创业与合作发展高峰论坛暨美国'中国旅美科技协会'成立 25 周年年庆"举办之际,欧美同学会(中国留学人员联谊会)谨向贵会致以热烈祝贺!并通过组委会向中国旅美科技协会华裔学者和科技工作者致以亲切的问候和崇高的敬意!

创新是人类社会的永恒话题,也是经济社会发展的不熄引擎。随着"大众创业、万众创新"的理念日益深入人心,各种新模式、新业态及新产业不断涌现,有效激发了社会活力,释放了巨大创造力。留学人员当之无愧的是我国创新创业的中坚力量,是人才队伍的重要部分。希望此次论坛能够促进广大留学人员不忘初心,发挥优势,勇攀科技高峰,为提高我国自主创新能力和国际竞争力做出实实在在的贡献。

中国旅美科技协会自 1992 年成立以来,长期致力于促进中美之间文化、科技、教育、经贸等领域的合作与发展,为推动旅美学人、华人专业人士之间的团结、合作与交流做出了大量卓有成效的工作。希望贵会继续发挥自身优势,为

促进旅美学人与祖国的交流与合作、推动中国旅美科技人才为国服务做出更大贡献! 衷心祝愿各位学长在今后的工作中取得更大的成绩!

预祝 2017 美中创新创业与合作发展高峰论坛暨美国"中国旅美科技协会"成立 25 周年年庆圆满成功!



# 国家外国专家局

# STATE ADMINISTRATION OF FOREIGN EXPERTS AFFAIRS

No. 3 Baishiqiao Rd. Beijing 100873, China Tel: 10 68498888- Fax: 10 68468001

# 贺 信

中国旅美科技协会:

欣闻贵会将于十月在创办地纽约举行第 25 届年会,我谨代表国家外国专家局对大会的举行表示衷心的祝贺!同时感谢贵会长期以来 对海外人才工作的的热情支持。

美国聚集着大量科技人才和优质科技资源,广大旅美华侨华人专业人士通过多年的努力,成为了美国科技界的一支重要力量,他们中的许多人都有到中国创业创新的愿望和能力。作为美国最具影响力的专业协会之一,贵会一贯以来在推动旅美专业人士积极融入美国主流社会、开展国际间科技交流、加强与中国在各个领域的合作等方面作出了积极的贡献。

希望贵我双方进一步加强联系,开展更广泛的合作交流共建平台,在推动科技进步的同时,实现自身新的更大的发展。

预祝中国旅美科技协会第25届年会圆满成功!

验包

中华人民共和国国家外国专家局局长 2017 年 9 月 20 日

# 中国科学技术协会 海外智力为国服务行动计划领导小组办公室

# 贺 信

中国旅美科技协会:

欣闻科技创新、创业与国际合作高峰论坛暨中国旅美科技协会第 25 届年会将于 2017 年 10 月 6-9 日在美国纽约曼哈顿召开,中国科协海智计划领导小组办公室(简称海智办)在此谨向你们表示热烈祝贺!

2003 年,中国科学技术协会联合中国旅美科技协会等 35 家海外华人科技团体,共同发起了"海外智力为国服务行动计划"(简称海智计划),旨在充分发挥桥梁纽带作用,吸引和组织海外科技工作者以多种方式为国服务。海智计划是贯彻实施国家科教兴国、人才强国战略,发挥海外人才智力资源优势,为海外专家学者服务我国科技创新、经济社会发展搭建的重要平台。多年来,中国旅美科技协会一直积极参与海智计划工作,通过举办国际论坛、组织回国访问团等活动,搭建了国内企业、高校、研究机构与美国同行联系的桥梁。

中国科技创新发展的良好势头及中国的巨大市场潜力, 需要大量海外科技人才和创新项目参与科技创新和项目合 作。希望中国旅美科技协会一如既往地参与海智计划各项活 动,促进中美在科技领域的交流与合作。

最后, 预祝活动圆满成功!



# 上海市人民政府侨务办公室

# 贺 信

中国旅美科技协会:

欣闻贵会将于 10 月举办科技创新与国际合作高峰论坛——暨中国旅美科技协会第 25 届年会,上海市人民政府侨务办公室、上海市海外交流协会在此致以热烈的祝贺!

25 载辛勤耕耘,在大家共同努力下,中国旅美科技协会 广泛团结旅美专业人士,积极搭建沟通交流平台,在促进中 美合作等方面发挥了积极的作用。希望在蒋为民会长的带领 下,中国旅美科技协会能够不忘初心,砥砺前行,继续发挥 中国旅美专业人士的独特优势,为促进中美文化、科技、经 贸等多领域交流合作,增进中美两国人民相互了解作出新的 贡献。

衷心祝愿此次活动圆满成功,并向长期关心和支持上海 侨务工作的广大侨胞致以亲切的问候!

上海市人民政府侨务办公室主任上海市海外交流协会会长

がまっか 2017年9月

# 广东省人民政府侨务办公室

# 贺 信

中国旅美科技协会:

欣闻贵会举办的"2017 美中创新创业与合作发展高峰 论坛暨美国中国旅美科技协会成立25 周年年会"将于2017 年10月6日至9日在美国纽约举行, 谨致热烈祝贺!

多年来,贵会作为美国卓有影响的旅美华人综合性民间 科技组织,在中美两国民间科技交流中发挥着重要的桥梁和 平台作用。贵会曾多次组团参与我办举办的"智汇广东"活动,以优质的人才和项目对接我省经济社会发展需要,为助 推我省创新驱动发展做出了积极贡献。

期望贵会继续秉承办会宗旨,发挥优势和作用,团结和 带领旅美科技界华侨华人,进一步促进中美科技交流,推动 民间友好交往,为推动中美创新创业与合作发展做出更大贡 献。

祝贵会会务蒸蒸日上, 预祝此次活动圆满成功!

广东省人民政府侨务办公室 2017年9月25日





#### **GREETINGS:**

It is my pleasure to welcome everyone gathered for the Chinese Association for Science and Technology USA's (CAST-USA) 25<sup>th</sup> annual US-China Innovation, Entrepreneurship & Collaborative Development Summit.

Pennsylvania is proud of its rich history of inclusiveness and embracing cultures from around the globe. Since 1992 CAST-USA has been steadfast in its mission to promote partnership between China and the United States. This organization is an integral part of the commonwealth and has contributed greatly to our diversity. This summit highlights the collaboration between these two nations in the fields of science, infrastructure, and technology to improve innovation and economic development in the commonwealth and beyond. It is my hope that the Chinese American community will continue to influence change and share their experiences to build a stronger commonwealth, and I am certain this organization will thrive in the commonwealth for years to come.

As Governor, and on behalf of all the citizens of the Commonwealth of Pennsylvania, I am delighted to welcome everyone to this convention. Please accept my best wishes for a memorable event.



TOM WOLF Governor October 6-9, 2017



Ambassador Zhang Qiyue started her diplomatic career in 1982. She has rich experience in multilateral and bilateral diplomacy. She served as Ambassador of the People's Republic of China to Belgium and Indonesia respectively. Her previous experiences also included working for the United Nations both in New York and in Geneva, political councillor in the Chinese Permanent Mission to the United Nations, and Director-General of the Department for Chinese Diplomatic Missions Abroad.

Ambassador Zhang became the face of China when she served as the Spokeswoman of the Chinese Foreign Ministry. She presided over a thousand press conferences and joined many high-level delegations travelling around the world. As the longest serving

spokesperson and as a senior diplomat, she has done an excellent job of explaining about China to the world, thus contributing to the better understanding and stronger relations between our two countries.



李卓彬,现任全国政协常委、致公党中央副主席、中国侨联副主席。曾任广东省海外建设总公司副总经理,广东省建筑设计研究院院长,广州市副市长,致公党中央副主席,中国侨联兼职副主席,中华海外联谊会副会长。 2011年8月任中国侨联副主席,致公党中央兼职副主席。2013年12月当选为第九届中国侨联副主席。

第十一届、十二届全国政协常委,第十二届全国政协港澳台侨委员会委员。



Dr. Xing Jijun, Sci & Tech Counselor in Chinese Consulate-General in New York. He received a bachelor degree of engineering, Tianjing Univ, a master degree in economics, People's Univ of China and a PhD in administrative management, Huazhong S&T Univ. Dr. Xing has years of experience since 1990 in managing and facilitating international scientific and technological cooperation. He served in Chinese Embassies in Norway and the Netherlands, Director of Asia and Africa and Director of Europe in the Chinese Ministry of Sci & Tech (MOST). Before taking the current position, Dr. Xing served China Sci & Tech Exchange Center as Deputy Director General covering governmental and non-governmental cooperation in sci & tech, technology transfer and academic exchanges. His

personal academic interest includes low carbon development technologies and low cost health technologies etc. Dr. Xing is now still a strategic evaluation expert for international cooperation under European Horizon 2020 program.



刘庆--江苏省产业技术研究院院长

江苏省产业技术研究院院长,材料科学与工程专家、杰青、长江学者、973 首席、福特教授。曾任丹麦国家实验室材料研究部高级研究员、清华大学金属材料研究所所长、重庆大学副校长。曾先后创办北京英纳超导技术有限公司、易生科技(北京)有限公司、江西赣州华京稀土新 材料有限公司、重庆蔚源科技创新研究院有限公司。

# **❖❖❖** Keynote Speech ❖❖❖



Title: Globalization, Innovation, and Science in the Era of Trump

约瑟夫·斯蒂格利茨(Joseph Stiglitz)是美国著名经济学家,自 2001 年起在美国哥伦比亚大学(纽约)担任教授,执教于商学院,经济系和国际关系学院。斯蒂格利茨教授在麻省理工学院获得经济学博士,随后在英国剑桥大学,耶鲁,斯坦福,等多所著名大学任教,同时获得哈佛,牛津,剑桥等大学的多个荣誉学位。斯蒂格利茨教授不但对于几乎各个经济学领域(尤其是微观经济学领域)都有贡献,而且对于经济政策产生较大影响。斯蒂格利茨教授在多年持续的学术研究成果贡献同时,还帮助美国政府和联合国/世界银行进行实际经济工作。最终他在信息经济学领域的

研究成果(基于不对称的信息流对经济交易的影响)帮助他于 2001 年与另外两位美国经济学家一起获得了诺贝尔经济学奖。斯蒂格利茨教授高度关注发展中国家状况,立足于发展中国家角度观察和阐述问题。作为世界银行的首席经济学家,斯蒂格利茨教授曾因公开强烈批评 IMF 对发展中国家不了解和不作为,并于 2000 年初离开了世界银行。在担任世界银行首席经济学家之前,斯蒂格利茨教授曾担任克林顿政府经济顾问委员会(council of economic advisors)主席。自 2000 年起,斯蒂格利茨教授发起组织多个民间智库机构,同时帮助联合国探索经济发展和社会改革等方面工作。



Title: Science and innovation, the endless frontier

**Dr. Shoucheng Zhang, Professor, Stanford University** 

张首晟,斯坦福大学物理系讲座教授,美国国家科学院院士,美国艺术与科学学院院士,中国科学院外籍院士。1983年获德国柏林自由大学学士学位,1987年获纽约州立大学石溪分校博士学位,1987-1989年任美国 Santa Barbara 理论物理研究所博士后研究员,1989-1993年任 IBM 阿尔玛登研究中心高级研究员,1993年受聘于斯坦福大学物理系。主要研究领域凝聚态物理,其中重点是拓扑绝缘体,在高温超导、量子霍尔效应、自旋电子学、强关联电子系统等研究方向上取得了大量国际一流的原始创新成

果。因其对量子自旋霍尔效应和拓扑绝缘体的开创性研究,2010年获欧洲物理奖 (Europhysics Prize),2012年获美国物理学会 Oliver Buckley 奖,2012年荣获国际理论物理学中心狄拉克奖 (Dirac Medal and Prize),2013年获物理前沿奖(Physics Frontier Prize).2014年荣获富兰克林奖 (Benjamin Franklin Medal). 张首晟教授天使投资的斯坦福大学初创公司 VMWare 是云计算产业的领军公司,曾市值高达 480亿美元.多年来,张首晟教授努力推进中美两国的科技交流.2013年他创办了丹华资本,重点投资源于斯坦福大学与硅谷的创新公司,投资方向包括人工智能,大数据,增强/虚拟现实,基因医疗等行业.

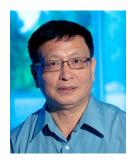


Title: Life at the Single Molecule Level

**Dr. Xiaoliang Sunney Xie**, Professor, Harvard University

**Abstract**: DNA exists as single molecules in an individual cell. Recent advances in single-cell genomics allows for accurate detection of one mutated base among six billion bases of a single-cell's DNA. This high precision has allowed for probing, understanding and bettering life from a single-molecule level with a direct impact on human health.

谢晓亮博士现任哈佛大学化学与化学生物系终身教授,北京大学长江讲座教授,北京未来基因诊断高精尖创新中心主任(ICG),北京大学生物动态光学成像中心主任。美国国家科学院院士,美国国家医学院院士,美国文理科学院院士。谢博士1984年毕业于北大化学系、获学士学位。1985年赴加州大学圣地亚哥分校攻读博士,1990年获博士学位后在芝加哥大学进行博士后研究,1992年起在美国太平洋西北国家实验室工作,1999年被聘为哈佛大学化学与生物系终身教授。谢博士是单分子生物物理化学、相干拉曼散射显微成像技术、单细胞基因组学的开拓者,在相关新兴交叉学科做出了创造性贡献。谢晓亮团队在中国的工作,已使得几百个新生儿成功地避免了他们父母的单基因遗传疾病。谢教授曾获阿尔伯尼生物医学奖,美国物理学会的青年光谱学家奖、以色列总统奖等多项殊荣。2017年9月16日获得"求是杰出科学家奖",目前谢博士已经发表了超过两百多篇论文。



**Title: Problems on Prime Numbers** 

Dr. Yitang Zhang, Professor, University of California at Santa Barbara

**Abstract**: An integer greater than one is called a prime number if it is divisible by one and itself only. The study of prime numbers is a major topic of number theory. In this public talk we will introduce a number of unsolved problems on prime numbers which look elementary, include the Goldbach and twin prime conjectures.

Dr. Yitang Zhang, 张益唐博士目前在美国加州大学圣塔芭芭拉分校数学系担任教授。张博士出生于上海。1978 年考入北京大学数学系,1982 年本科毕业;1982—1985 年,师从著名数学家、北京大学潘承彪教授攻读硕士学位;1992 年毕业于美国普渡大学,获博士学位。2013 年 5 月,张博士在孪生素数研究方面所取得的突破性进展,他证明了孪生素数猜想的一个弱化形式。张益唐在不依赖未经证明推论的前提下,发现存在无穷多差小于 7000 万的素数对,从而在孪生素数猜想这个重要问题的道路上前进了一大步。《自然》的报道称,如果这个结果成立,就是第一次有人正式证明存在无穷多组间距小于定值的素数对。换言之,张益唐将给孪生素数猜想证明开一个真正的"头"。在张博士论文发表后大约九个月,相邻素数差相缩小到 246。 2013 年以来,张益唐接连获得美国"数学学会柯尔数论奖"(2013),瑞典罗夫•肖克奖(2014),麦克阿瑟天才奖(2014),求是杰出科学家奖(香港,2016)。但他说:"我的心很平静。我不关心金钱和荣誉,我喜欢静下来做想做的事情。





Title: Mobile Wireless Communications: Past, Present, And Future

**Dr. Mischa Schwartz**, the Charles Batchelor Professor Emeritus of Electrical Engineering at Columbia University

**Abstract**: The past decade has seen a tremendous increase worldwide in the use of smart phones and related portable devices. This has culminated in the current fourth generation (4G) of mobile communication systems. Newer developments in the communications field such as a move to the Internet of Things (IOT), Machine-to-Machine (M2M) communications, and the

oncoming field of driverless cars with its extensive need for real-time communications, have spurred the urgent need to move to fifth-generation (5G) mobile systems, potentially offering much higher bit rates and much lower latency, the time to deliver information end-to-end. Research and development world-wide is currently ongoing in 5G systems, with a possible move to the millimeter band from the current microwave band to accommodate the high bit-rate requirement. Multiple antennas on both the transmitters and receivers, so-called MIMO systems, will be required as well. This is thus a truly exciting time in the telecommunications field. In this talk, we present briefly the history of mobile wireless communications, leading up to the current fourth generation (4G) systems, and culminating in the work on 5G systems noted above.

**Dr. Mischa Schwartz** 博士, 哥伦比亚大学电气工程荣誉教授, 美国国家工程院院士, 美国文理科学院院士, 国际工程联盟院士 Dr. Mischa Schwartz is the Charles Batchelor Professor Emeritus of Electrical Engineering at Columbia University, a Life Fellow of the IEEE, a member of the US National Academy of Engineering, a Fellow of the AAAS, and a Fellow of the International Engineering Consortium.



Title: Another Facet of Sino-American Collaboration in Higher Ed: Campus Internationalization

Dr. David C. Chang (张忠浚), the Ninth president of Polytechnic University

**Abstract**: Campus Internationalization has been an elusive target for Chinese universities in no small part because of a lack of courses taught in English. While this posts no real problem for those students seeking to matriculate in a degree program in China, it proves to be a major hurdle for the great majority of study-abroad students from U.S. who have no prior background in Chinese. This helps explain why less than a quarter of the foreign students in

China are from Western countries, and only 5% are from U.S. By the same token, less than 5% of U.S. study abroad students each year have chosen to go to China. This talk will focus on our effort to break the bottleneck. Using a consortium-like approach, the Chengdu American Center for Study Abroad was established in 2013 under the auspices of the municipal government. It has now graduated over 300 students from 30 American universities. The Center has embraced the philosophy of providing a holistic live-learn-work experience whereby students get to know Chinese people in a community where they live and work, not simply studying on campus. To help campus internationalization, we have also started two years ago summer study programs in U.S. to expose college students from our partnering Chinese universities to U.S. campus life and Western-style learning environment. In this talk,



we will address what have been the lessons learned to successfully produce a life-changing experience for all those attended.

**David C. Chang**, the ninth president of Polytechnic University on July 1, 1994, and was appointed Chancellor in July 2005. Dr. Chang holds a master's and a doctoral degree in applied physics from Harvard University, an honor doctor degree in engineering from Hong Kong Polytechnic University and a bachelor's degree in electrical engineering from National Cheng-Kung University in Taiwan. Dr. Chang is a specialist in electromagnetic theory, antennas and waveguide analysis, monolithic microwave and millimeter-wave integrated circuits, integrated and fiber optics and electromagnetic compatibility and interference. Dr. Chang's published journal papers and books, technical reports and presentations at international symposia and conferences number over 300. Dr. Chang was elected a fellow of the Institute of Electrical and Electronics Engineers (IEEE) in 1985, is past president of the IEEE Antennas and Propagation Society, a chairman of the U.S. national committee of the international Scientific Radio Union. In 2000, Dr. Chang was awarded the IEEE Third Millennium Medal. Apart from his academic accomplishments and activities,







# CAST-USA Outstanding Awards 旅美科协杰出领袖、贡献与服务奖

#### **Outstanding Leadership Award**

Charles SHEN, Yong GUO, Le WAN, Jizhong XIAO, Airong LI, Dave JIAO, Guoying YU, Fred YAN, Jing SHI, Pengcheng JIA, Rujue SUN, Xingyu WANG

#### **Outstanding Contributions Award**

Grace FENG, Yufeng ZOU, Changchun XIE, Tom CHEN, Xiaoming DONG, Minyan HE,
Dexu SHI, Haigang CHEN, Bo DING, Hongzhong MIN

#### **Outstanding Services Award**

Qiang LU, Tong FANG, Xiaoming SHENG, Xiaomei YANG, Yu SHI, Deqiang SONG, James BO, Anna YU, Meimei GAO, Fanglin ZHENG, Hanting ZHANG, Xinguo LIU, Hongyan WU, Tao TAO, Fanyu LIN, Mark TANG, Deyi KONG











# ❖❖❖ Biopharmaceutical and Medicine Forum ❖❖❖

## 生物医药论坛

Forum Co-Chairs: Drs. Hairong Li and Hanting Zhang



李爱荣博士,获英国牛津大学医学遗传学博士,在美国耶鲁大学完成医学遗传学博士后研究,现任美国哈佛大学医学院麻省总医院首席研究员及助理教授。研究特长是运用 DNA 测序、分子克隆以及生物信息分析等分子生物学技术发现疾病相关基因以及基因功能研究。曾在国际知名杂志如 Nature Genetics, American Journal of Human Genetics, Human Molecular Genetics, Circulation, PLOS ONE, Science Advances, Genomics 等发表论文数十篇。目前主要从事阿尔茨海默氏病以及心脏病基因研究, 是美国国家自然科学基金, 美国老年痴呆症基金会以及 Gene, Genetics 杂志等多家生物期刊的编委及

审稿人。此外,她具备丰富的医学研究项目管理经验,是美国项目管理协会(PMI)认证的的国际注册项目管理师(PMP)。曾出版著作《实用保健入门》和英文译著《实验人一现代医学检测与个性化健康管理》两本书。李博士曾获得英国政府海外研究生奖、美国国家卫生研究院国家研究服务奖、美国心脏协会科学家发展奖,哈佛大学医学院教师奖及旅美科协杰出服务奖。李博士现任中国旅美科技协会总会副会长兼旅美科技协会大波士顿分会副会长。



张汉霆博士为中国旅美科技协会西弗吉尼亚分会(CAST-WV)会长,西弗吉尼亚华人协会(WVCA)会长,西弗吉尼亚大学医学院终身职位副教授,山东省政府"泰山学者海外特聘专家"。1987年7月毕业于广州南方医科大学(原第一军医大学)医疗系,并获得医学学士学位;1992和1995年在中国军事医学科学院毒物药物研究所分别获得药理学硕士及博士学位。1998年赴美留学,先后在美国路易斯安那州立大学和田纳西大学卫生科学中心,从事神经精神药理学博士后研究。

张博士一直从事磷酸二酯酶 (PDE) 的生物功能与机制研究。在 PDE 对中枢功能的调控方面取得了国际同行公认的成就。 他发表了论文及综述 80 余篇,书稿(篇章) 18 部。作为国际著名的 PDE 研究专家,主编英文版 PDE 专著一部 (Phosphodiesterases: CNS Functions and Diseases, Springer 出版社),参与编写 PDE 专著五部 (均为英文版)。此外,还担任海内外多种科研基金的评审专家,14 种国际学术期刊的主编、副主编或编委。张博士先后两次 (2006,2008) 获得美国 NARSAD 青年科学家奖 (NARSAD Young Investigator Award)。



Talk 1.1: Cultivation of Successful Biotech Entrepreneurs and Companies

**Dr. Kenneth Fong**, Founder and chairman of Kenson Ventures, LLC

**Abstract**: Dr. Kenneth Fong's biotech experiences dated back to 1984 when he founded Clontech, a biotech company that was to provide innovative biomedical tools for researchers to isolate genes and elucidate their functions and biomedical applications. Clontech grew to

CAST-USA 网站 cast-usa.org

CAST 年会网站 cast-gny.org

about 400 people, including 65 PhD scientists until it was acquired by Becton Dickinson in 1999. His company was at that time the largest biotech company founded and run by an Asian American in the US. Following this experience, Dr. Fong founded Kenson Ventures and has since invested and worked with more than 15 biotech companies to help them grow to a stage where they could be acquired by much larger companies. Those biotech companies included tool makers, diagnostic and pharmaceutical developers. A good number of the founders were originally from China in the mid or late 1980's who finished their post-graduate research and started their biomedical career in the US. Dr. Fong will share with you three successful biotech companies and their founders whose experiences could be of value to aspiring entrepreneurs.

方瑞贤 (Kenneth Fong) 博士, Kenson Ventures, LLC 的创始人和主席, 为生物技术创业公司提供资金和战略咨询。方博士创立并担任分子细胞生物学市场的领导者 Clontech 实验室被誉为美籍华人创建最早和规模最大的分子细胞生物学实验室公司。方博士荣登美洲亚裔企业家百强荣誉榜。方博士曾担任北美中国生物科学家协会会长。



Talk 1.2: Fascin, Filopodia and Tumor Metastasis

Dr. Xin-Yun Huang, Professor, Weill Cornell Medical College

**Abstract**: Tumor metastasis is responsible for ~90% of all cancer deaths. One of the key steps during tumor metastasis is tumor cell migration and invasion. However, currently there is no anti-migration drug in clinical uses. Filopodia are finger-like cell surface extensions that are critical for cell migration. Fascin is the main actin-bundling protein in filopodia. Metastatic tumor cells are rich in filopodia, and the numbers of filopodia correlate with their invasiveness. From cancer genomics, fascin gene is amplified in patients with many types of

cancers. Studies on samples from cancer patients demonstrate that elevated levels of fascin are correlated with clinically aggressive phenotypes, poor prognosis, and shorter survival. Mouse genetic studies showed that deletion of fascin gene delayed tumor development, slowed the tumor growth, reduced metastatic colonization, and increased overall survival. Transgenic expression of fascin in mice increased the tumor incidence, promoted tumor progression, and decreased the overall survival. We have developed small-molecule compounds that specifically inhibit the biochemical function of fascin. Fascin inhibitors block tumor cell migration, invasion and metastasis. These inhibitors alone, in combination with surgery, chemotherapy, or immunotherapy, all prolong the overall survival of tumor-bearing mice. One of the fascin inhibitors is currently in clinical trials for cancer treatment.

Dr. Xin-Yun Huang (黄新云院士),威尔康奈尔医学院生理和生物物理学教授,美国文理科学学院院士Dr. Xin-Yun Huang is a Professor of Physiology and Biophysics at the Weill Cornell Medical College and a fellow of the American Academy of Arts and Sciences. Dr. Huang has won many awards from his outstanding achievements, including the Cornell University Scholars Award, the United States Heart Association Beatrice F. Parvin Research Award, American Cancer Society Research Scholar Award.



# Talk 1.3: Advances in Stem Cell Technology and Future Applications

Dr. Hongjun Song, Professor, University of Pennsylvania

**Abstract**: The past decade has witnessed major breakthroughs in the stem cell field. Now it is fairly routine to derive pluripotent stem cells, a stem cell capable of generating all cell types in a human body, for each patient. Technologies have also been developed to differentiate these stem cells into different cell types in a large quantity with high purity and into organ-like structures resembling human tissues. I will discuss the latest development in the basic and translation research, and the biotech and pharmaceutical industry to apply these stem cell technologies to understand basic human biology, to screen

drugs for different human disorders and for personized precision medicine, to develop novel strategies for cell replacement therapy, and more recently to fight Zika-related global health emergency.

#### Dr. Hongjun Song (宋洪军博士), 宾夕法尼亚大学医学院教授

Professor of Neuroscience, Perelman School of Medicine, Univ of Pennsylvania. His lab addressed the Zika virus outbreak by examining the mechanism of infection and identification of the virus, resulting in publications in Cell and Nature Medicine. This work was described on the front page of The New York Times. Song's awards include the Young Investigator Award from the Society for Neuroscience, the Rising Star Award from the International Mental Health Research Organization, and the Jacob Javits Neuroscience Investigator Award from the NIH.



Talk 1.4: Innovative Antibody Drug Discovery Platform

Dr. James (Jianguo) Yang (杨建国博士) President / CEO Abpro-China

**Abstract**: Abpro developed unique tech platform for innovative antibody drug discovery, which can generate therapeutic antibodies faster than the curent antibody discovery systems in biotech industry, and can shorten therapeutic antibody development timeline. This presentation will articulate Abpro novel antibody platform and Abpro therapeutic antibody pipeline, and exemples of development of novel therapeutic antibodies using Abpro's tech

platform, and future strategic plans for therapeutic antibody development partnerships.

**Dr. James (Jianguo) Yang** has over 20-year extensive experience in biopharma industry. Currently, Dr. Yang is President / CEO Abpro-China (Abpro, a Biotech company based in Boston area, USA). Before joining Abpro, Dr. Yang was CSO / VP Biologics in Qilu Pharmaceuticals, and also had scientific leadership positions in several global 500 pharmaceutical companies, including in Abbott Lab Pharma Division (current AbbVie), MedImmune /AstraZeneca, Genzyme / Sanofi. Dr. Yang has published numerous patents and scientific papers, and is an editor advisor and reviewer for Bioprocess International (Journal), and Executive Director, Sino-America Pharmaceutical Association-NE (2012-2014), and reviewer for several scientific journals. As international recognized scientist in biopharma Industry, Dr. Yang is a frequently-invited speaker for international biotech/biopharma conferences. Dr. Yang got his Ph.D. in cell/molecular biology from Illinois Institute of Technology, USA.

# **\*\*\***

# Information Technology Forum \*\*\*

# 信息技术论坛

Forum Chair: Dr. Jizhong Xiao



肖继忠博士,获得美国密西根州立大学电机与计算机工程博士学位,新加坡南洋理工大学硕士学位,华东工学院硕士和学士学位。现任纽约城市大学城市学院电机工程系终身教授,机器人学实验室主任。纽约城市大学研究生院工程学专业和计算机科学专业的博士生导师、感知机器人和智能仪器研究中心主任。肖继忠教授先后荣获美国国家科学基金会"杰出青年事业奖"、德国洪堡基金资深学者科研资助奖、纽约城市大学城市学院"最佳指导教师奖"。在国内任中国科学院沈阳自动化研究所机器人学国家重点实验室特聘研究员,博士生导师,中科院海外评审专家。在IEEE 汇刊等国际核心期刊和主要学术会议上发表论文一百六

十余篇,多次获得最佳论文/最佳录像奖。肖继忠教授历任中国旅美科技协会大纽约分会会长,理事长;现任旅美科协总会负责学术交流的副会长。



Talk 2.1: Automatic 3D Facial Behavior Analysis for Human Emotion Understanding (自动三维人脸分析及情绪理解)

**Dr. Lijun Yin**, Professor, State University of New York at Binghamton **Abstract**: A facial surface is a three-dimensional time varying 'wave', which is

associated with the movement of facial expressions. Tracing the behavior of the 3D primitive features in a spatial-temporal domain could reveal precious information about the nature of the underlying physical process related human emotion. This talk will introduce the recent advancement in areas of 3D face-related information processing

from perspectives of both vision model and data learning, including 3D dynamic face modeling, 3D spatial-temporal facial expression analysis, multimodal database development, etc. A new study on 3D facial surface tracking, feature analysis, and classification will also be discussed. Future developments and possible extensions of the work will also be discussed in the end.

尹立军博士现任宾汉姆顿大学(纽约州立大学)计算机科学系教授。创建并担任图像,听觉及视觉科学研究中心主任,并兼任工程及应用科学学院 Seymour Kunis 核心媒体及图像图形实验室主任。主要研究领域在计算机视觉,多媒体,人机交互,情绪计算等。他开发的三维及四维人脸表情数据库系列已经被广泛应用于许多领域,包括 500 多个学术界和工业界的研究小组。荣获 James Watson Investigator Award of NYSTAR, SUNY Chancellor's Award for Excellence in Scholarship & Creative Activities 等奖项。



Talk 2.2: Geometric Interpretation to Deep Learning (深度学习的几何解释)

**Dr. Xiangfeng David Gu,** Professor, State University of New York at Stony Brook **Abstract:** Deep learning techniques are revolutioning the whole industry. However, the fundamental principles behind the powerful algorithms remain obscure and mysterious. In this talk, we interprate the generative model in deep learning, such as GAN and VAE, using rigorous geometric framework: optimal mass transportation. Optimal mass transportation theory measures the distance between probability distributions, which is geometric meaningful and illucidates the black box of deep learning.

顾险峰博士于清华大学计算机系获得计算机科学与技术学士学位,哈佛大学计算机科学硕士和博士学位,师从国际著名微分几何大师丘成桐院士,现于纽约州立大学石溪分校计算机科学系和应用数学系终身教授,清华大学丘成桐数学科学中心客座教授,大连理工大学海天学者,首都师范大学数字几何和成像实验室主任等。顾博士曾于2005年获得美国国家自然科学基金 CAREER 奖,2006年获得中国国家自然科学基金海外杰出青年学者奖,2013年第六届世界华人数学家大会晨兴应用数学金奖等。

顾险峰教授和丘成桐先生,及其合作者共同创立了一门新兴的跨领域学科:计算共形几何。这门学科结合了现代几何和计算机科学,广泛应用于计算机图形学,计算机视觉,可视化,几何建模,网络和医学图像等领域。顾博士在数学,工程和医学领域的国际顶级杂志和会议发表论文 270 多篇。顾博士担任国际期刊《Graphical Models》,《IEEE Transaction on Computer Graphics and Visualizatiaon》的编辑和《Geometry,Imaging and Computation》的主编。其主要著作有《计算共形几何》、《离散曲面的变分原理》和《Ricci Flow for Shape Analysis and Surface Registration》等。顾博士获得多项国际专利,其中虚拟肠镜专利以百万美元专利费转让给西门子和GE公司。



Talk 2.3: Recommendations on Safety Landing of Blockchain Projects (区块链项目的安全落地建议)

黄连金现任华为副总裁,首席区块链专家和首席管理系统架构师,中国电子学会区块链专家委员 CISSP。曾就职于美国 CGI 公司 18 余年,曾任 CGI 安全技术总监,CGI 云安全主管和首席安全架构师等职务。创建了 CGI 联邦身份管理和网络安全能力中心。在 CGI 工作时,曾经为美国联邦政府、金融机构、和公用事业公司提供金融、区块链、安全等方面的专家咨询。2015 年 12 月加入华为.



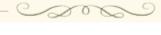
### Talk 2.4: New Technologies: the Pivots of the Inclusive Financial Services

**Dr. Geoff Jiang** (蒋国飞博士), Technology VP at Ant Financial Inc 蚂蚁金服副总裁

**Abstract**: We are all in the crucial period amid in the middle of a new technology revolution. With the breakthroughs in new technologies like big data and cloud computing, the Internet of Things, blockchain, machine intelligence, biometric identifications and, virtual/augmented reality and etc., a digital world that completely and accurately reflecting the real world in real time is taking shape. The power of computing is enabling new digital solutions for the social, business and financial

problems in the world. In the financial services industry, this power is not only increasing efficiency and reducing costs, but also refactoring the system to promote equality and inclusiveness. As a technology- driven company, from its very beginning, Ant Financial is committed to technology innovations for digital inclusive finance. In this speech, Dr. Geoff Jiang will talk about Ant Financial's experience in building fundamental financial capacities on transactions, risk management, credit, and customer services through technological innovation. He will also discuss how do these capabilities support Ant's product and service innovations in payments, micro loans, wealth management, insurance and other customer-focused financial customer services.

蒋国飞博士,蚂蚁金服副总裁,目前带领蚂蚁金服技术实验室致力于全球普惠金融科技的创新。在加入蚂蚁金服前, 他是 NEC 集团的技术副总裁, 领导 NEC 美国研究院和 NEC 全球研发。他发表了 150 多篇一流的计算机学术论文,并获得过包括 SIGKDD 等顶级会议的最佳论文奖 。他还拥有 100 多项的美国专利。他领导研发的产品曾在 CEATEC 和 Interop 等主要技术博览会上获奖。







安徽省侨联"亲情中华艺术团"慰问演出 "亲情中华,美好安徽"



# Renewable Energy and New Material Forum ���

## 可再生能源和新材料论坛

Forum Chair: Dr. Jingong Pan



潘锦功博士,现任成都中建材光电材料公司总经理,浮法玻璃新技术国家重点实验室特聘教授,凯盛科技集团科技委员会秘书长,2009年创办了新泽西理工大学碲化镉薄膜材料研究中心,四川阿波罗是第一个在美国大学资助共建研究中心的民营企业,成都中建材是在美国公立大学资助共建研究中心的第一个中央企业。主要从事稀散金属高纯材料和碲化镉发电玻璃的工业化生产,今年8月世界第一块大面积碲化镉发电玻

璃已经在成都中建材生产线下线。中央电视台两次 30 分钟的专题报道,《挂在墙上的油田》,《玻璃墙,发电厂》。潘锦功博士曾经担任旅美科协大纽约分会副会长。



#### Talk 3.1: Transitioning to Low Carbon Renewable Energy: Ideality and Reality

Dr. Yiguang Ju (琚诒光博士), Robert Porter Patterson Professor, Princeton University Abstract: This seminar will discuss the pathways of sustainable energy and low carbon transportation as well as their impact on climate change. The current energy production and

consumption in the US, Germany, and Japan will be reviewed. The ideality of reality of sustainable energy triangles will be discussed.

Advanced engine technologies and the development of renewable fuels for carbon reduction in ground and air transportation and electricity generation will be presented. The idea of integration of renewable electricity with hydrogen, natural gas and electricity grid for low carbon transportation and vehicle electrification and smart ability will be introduced. Technical challenges for the development of advanced engines, biofuel production and certification, energy storage, and fast charging batteries will be discussed.



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**Dr. Yiguang Ju** is a Robert Porter Patterson Professor and the Director of Sustainable Energy Program at Princeton University. He received his bachelor degree from Tsinghua in 1986. Before he joined Princeton, he also taught at Tohoku University and Tsinghua University. Prof. Ju's research interests include combustion, propulsion, and sustainable energy. He serves as the chair of the US Sections of Combustion Institute and is an ASME Fellow and a distinguished visiting fellow of UK Royal Academy of Engineering. He received numerous awards including the NASA Director's Certificate of Appreciation award and the Humboldt Foundation Bessel research award. He served as in the NASA committee for Rocket Study, National Academy of Science Committee for NASA microgravity research assessment, and a DOE committee for National Laboratories combustion program review.



Talk 3.2: New Dielectric Ultracapacitors Based on Domain-Engineered Perovskite Ferroelectric Films (基于纳米畴调制钙钛矿铁电薄膜合成的新型介电超级电容器件)

Dr. Yuhang Ren (任宇航博士) Professor, CUNY Hunter College

**Abstract:** With the rapid development of various energy-harvesting technologies and associated applications, devices that can provide both high density storage and rapid supply of electricity have become increasingly important. So far it has been only the electrochemical

supercapacitors that barely make the case. Compared with electrochemical capacitors, dielectric capacitors excel in specific power, compactness and cost-effectiveness, but lag behind in energy density. In this talk, I will introduce you our new developed dielectric ultracapacitors based on ferroelectric films of Ba(Zr0.2Ti0.8)O3 (BZT) displaying high energy densities (up to 166 joules per cubic centimeter) and efficiencies (up to 96 percent). Different from a typical ferroelectric whose electric polarization is easily saturated under an external electric field, our BZT films display a much delayed polarization saturation from nearly zero to the maximum of a single-domain state, leading to drastically improved recyclable energy densities. Moreover, the improved energy performance of the films is scalable to the mm thickness level. These desirable features for electrical energy storage are achieved by the creation of an adaptive nano-domain structure in all three dimensions of the BZT films via phase engineering and strain tuning. This perovskite oxide has a simple lead-free composition and a stable chemical structure, and has been demonstrated to preserve excellent dielectric and capacitive performance over a broad temperature and frequency range. These findings enable broader applications of dielectric ceramics in energy storage, conditioning, and conversion.

任宇航博士现为纽约市立大学研究生院和大学中心,纽约市立大学亨特学院物理系教授。分别于 1999 年和 2003 年在浙江大学物理系凝聚态物理专业和美国威廉玛丽学院应用科学系激光和光学专业获理学和工学博士学位。其后赴密西根大学超快科学和光学前沿中心从事光与材料相互作用的研究; 2005 年 9 月至今,在纽约市立大学创立了超快光学和材料研究实验室。主要从事新型薄膜太阳能电池、能量存储材料和器件和超快激光光谱的研究。拥有超过 20 年的新型光伏材料、激光和光学、能源存储材料及器件的研究与开发经验,精通多种薄膜材料与器件的制备与测量。迄今为止,已在各类国际著名杂志上发表论文 80 多篇,是 50 多个美国和中国专利的主要发明人。2011 年起至今分别担任国际杂志 Physical Review & Research International 和 Research Journal in Engineering and Applied Sciences 副主编和编委会成员。2016 年受邀主编 Materials 杂志微波吸收和能量吸收材料专题。他是 2006 美国化学学会石油研究新人奖、2009-2016 纽约之星、2017 纽约能源桥的获奖者。曾任 2011 年国际太阳能论坛主席,第 52 届磁性和磁学材料会议和第 17 届国际复合材料和纳米材料工程学会议分会主席。曾多次应邀在大型国际会议、国内外高校、国家实验室及工业研究所主持会议并作学术报告。



Talk 3.3: 太阳能科技发展现状介绍

**周华康**博士,现任四川阿波罗太阳能科技有限责任公司董事长。2005 年起投资多家 民营高科技企业。2010 年 3 月,资助成立 NJIT-阿波罗太阳能研究中心(后更名为 NJIT-中建材太阳能研究中心),这是中国企业第一次正式和美国公立大学合作建立 的创新技术研究中心,对中国企业的技术创新发展方向和模式影响重大。 由于其特殊的光电性能,碲、镓、铟等 7 个元素,由于其特殊的光电性能被称为"技

术金属"和"战略材料"。碲基化合物必将引发材料科技革命并催生高科技产业由硅

谷向碲谷转变。 四川阿波罗太阳能公司拥有采矿权和探矿权的雅安石棉县大水沟碲鉍矿是迄今为止世界上有报道的唯一碲独立原生矿,被称为第二国宝。四川阿波罗碲化镉薄膜材料团队是四川省千人计划引进团队。我们团队及其控股公司在新能源材料、稀散金属高纯功能材料等方面具有世界先进水平的研发,生产和销售能力。四川阿波罗在国家、省、市各级政府的关心和支持下,在双流西航港开发区建立了先进的高纯稀散金属材料生产基地、高纯稀散金属材料研发和检验中心。2009年底,四川阿波罗太阳能公司与中国建材集团和地方政府投资公司,组建合资企业"成都中建材光电材料有限公司,合作研发的第三代最新碲化镉太阳能发电玻璃生产线。10年磨一剑,2017年9月,成都中建材公司宣布中国第一条80兆瓦碲化镉发电玻璃生产线下线。



Remark 3.4 新能源互联网生态圈

吕锦标, 保利协鑫副总裁

保利协鑫副总裁吕锦标先生长期从事光伏企业的管理工作,是行业资深专家。他注重与社会团体、上下游同行的沟通与交流,为保持企业在业内的良好口碑做出突出贡献。作为保利协鑫企业文化工作的管理者,在他的指导下,保利协鑫文化部门创新性的采用多种宣传方式,使上下思想融会贯通,企业内部营造出和谐一家、积极进取的文化氛围,吕锦标先生为培植保利协鑫内部优秀文化基因作出了重要贡献。

作为资深光伏从业者,吕锦标先生为行业发声和代言,为推动光伏产业在业内的知名度作出了不懈努力,为推动中国清洁能源和新能源事业的宣传普及做出了杰出工作。

# Talk 3.5: The development and cooperation prospect of polysilicon PV industry in China (中国多晶硅光伏产业的发展及合作前景)

徐爱华同志, 1999 年 7 月毕业于北京科技大学材料科学与工程学院,获得学士学位,2003 年 3 月毕业于北京科技大学管理学院,获得硕士学位,并加入有色金属技术经济研究院北京安泰科信息股份有限公司工作至今,一直从事钨、钼、硅、锂等稀有金属市场和新能源产业信息咨询、行业和企业发展战略研究,从事相关产业的信息服务和会议组织工作,在国内外期刊上发表论文若干篇,多次参加国内外行业活动并发表演讲,是国家有关部委、国家开发银行、中国有色金属工业协会等单位专家,在稀有金属产业研究和



发展规划等方面具有丰富经验。现任有色金属技术经济研究院院长助理兼党政办主任,中国有色金属工业协会硅业分会秘书长,教授级高级工程师,国家注册咨询工程师。



Talk 3.6: Influence of Power Battery Development on the Demand for Nickel & Cobalt (动力电池发展对镍钴需求的拉动)

**Mr. Fan Runze** got bachelor's degree of engineering from Central South University in 2006. The same year, he joined Beijing Antaike Information Co., Ltd and mainly specialized in research of global nickel metal market. He made many speeches about nickel market analysis on international conferences and was responsible for nickel and

stainless steel market survey and consulting project from national ministries and relevant enterprises. Meanwhile he also participated in compiling work of nickel part of "The Yearbook of Nonferrous Metals Industry of China" and completed organization of annual "China International Ni & Co Industry Forum", "China Stainless Steel and Raw Material Market Conference" and other meeting jobs.

范润泽,2006年毕业于中南大学,获工科学士学位。同年,进入北京安泰科信息开发有限公司工作,主要从事全球镍金属市场研究工作,曾多次在国际会议上发表有关镍市场分析的演讲,并承担国家部委及相关企业镍和不锈钢的市场调研及咨询项目,负责有色协会中国有色金属工业年鉴镍部分的编写,并组织完成每年一届的"中国国际镍钴工业年会","中国不锈钢暨原料市场研讨会"和其他会议工作。



Talk 3.7: Research on China's lithium Resources and its Potential Application (中国锂资源开发现状及潜力研究)

**Li Bingxin**, graduated from Beijing University of Chemical Technology with master degree. Ms. Li is the registered consulting engineer. She is the Deputy Secretary-general of CNIA Tin Branch and Lithium Branch and the Deputy Director of the Consultancy Department of Beijing Antaike Information. Ms. Li has been involving in studying tin,

tungsten and lithium for many years, besides, she has done research projects entrusted by NDRC, MIIT, CDB, etc and has given speeches at international conferences for many times.

李冰心,毕业于北京化工大学,硕士研究生学历,国家注册咨询工程师。现任中国有色金属工业协会锡业分会副秘书长,兼任中国有色金属工业协会锂业分会副秘书长、北京安泰科信息开发有限公司咨询研究部副主任。长期从事锡、钨和锂等小金属产业研究工作,多次承担发改委、工信部、国开行以及大型企业委托的相关研究课题,并多次在国际会议上作专题报告。

# ♦♦♦ Spe

# Special Topics Forum ❖❖❖

# 专题论坛

Forum Chair: 时瑜



时瑜,毕业于瑞士金融研究院&日内瓦大学,在中国,瑞士和美国多年工作经历。曾就职于汇丰银行,瑞士 Optiminv S.A.外汇对冲基金,联合国欧盟经济委员会等。精通法英中三种语言;获得过多个瑞士国家级的金融投资研究奖项;专业领域涉及金融投资管理,外汇对冲基金量化分析模型,并曾负责欧盟经济委员会年度最重要出版物 UN/LOCODE2013-2,和主要商业贸易机构共同合作,促进 ISO3611 -2 多个国家和地区的区域间贸易发展。在过去几年来,她创立跨境金融科技和教育交流平台,同时在中国旅美科技协会和 100womeninhedgefund 等组织中扮演积极角色,致力于促进中国,美国,瑞士金融科技,文化教育交流和广泛合作。



Talk 4.1: China's Current Fundamental Economic Problems (中国当前的基本经济问题)

王军生经济学博士、研究员。现任中国民主同盟中央委员会经济委员会副主任,兼任中国社会科学院中国经济技术研究咨询有限公司研究员,中国投资协会常务理事、中国社会经济文化交流协会副会长。主要研究领域为宏观经济学与金融市场理论。精通金融证券、货币银行理论。多年来致力于货币银行理论、金融宏观调控

理论、资本市场理论的研究与实践。在金融信托、证券投资、房地产投资、高科技风险投资、投资银行业务领域具有丰富的理论与实践经验,并且在多家知名基金公司、信托公司、上市公司担任独立董事。目前是中国人民大学、中央财经大学、湖南大学兼职教授。曾在全国性专业刊物发表论文数十篇,著有《北京房地产开发实务与运作》、《WTO与中国金融也发展》、《新经济与市场营销》、《金融市场优化论》、《金融市场结构研究国际经验和中国选择》、《中国能源发展报告》等著作。



Talk 4.2: 美中并购

Catherine Pan is a Partner in Dorsey & Whitney's Corporate Department and leads the firm's globally recognized U.S.-China transactional practice. As a highly skilled attorney and trusted advisor. Catherine is relied on by clients to handle their strategic corporate transactions and to solve complex legal problems for their business. She has a strong client following among some of the world's largest corporations, financial institutions and business leaders. She frequently serves as their chief outside legal counsel. The strategic



corporate transactions Catherine handles include mergers, acquisitions, joint ventures, equity and debt financings, and other cross-border corporate transactions.



# Talk 4.3 Build a World Class Pharmaceutical Company, PureCap, from 0 to 1, from 1 to 2

郭大海先生,是美国普克药业公司创始人兼 CEO. 同时他也是人福普克药业公司董事长兼 CEO, 英仕柏公司创始人等职位。在中国及美国同时管理 6 家相关经营的医药企业,包括中美两地四家美国 FDA 认证的生产、包装、仓储、配送分销公司,是目前中国制药行业在美国规模最大的企业。郭大海先生在制药和生物技术领域拥有20 多年广泛的商业经历,从跨国商业管理、新药研发、市场销售到制药生产厂的建

设等各方面都拥有成功经验。创造了多项中国制药企业在国际化方面的第一。郭大海先生早年间在中国科学院工作,90年代赴美留学,获得美国康奈尔大学 MBA,罗格斯新泽西州立大学生物学硕士, 获得美国质量协会颁发的 6-西格玛黑段。郭大海先生同时兼任现任 BioKatalyst 协会主席,该协会会员为在医药健康领域美国华人精英组织,会员全部为医药行业高管。



#### Talk 4.4 中国全面发展通用航空是美国通用航空业界的重要机遇

徐昌东,美籍华人,1983 年到美国留学,后在美国成立投资贸易化工为主的美国达西集团。2000 年回国后,先后在中国大陆投资医药、商贸、旅游、航空、交通、新能源等领域,担任美国美中投资基金董事局主席、海明堡(亚洲)直升机有限公司董事长、鄂尔多斯市海明堡直升机制造有限公司董事长等职务。先后与美国、俄罗斯、乌克兰等国家的知名企业合作引进直升机、航空发动机等项目,并在鄂尔多斯市投资建厂,生产美国蜂鸟 260L 系列直升机。并与民政部紧急救援中心合作共同建立航空服

务平台。他还提出了非政府紧急救援理论--"国家不养飞机理论",这一理论被美国、日本、欧洲等国家普遍采用,并作为中国创新的国家救援理论。此外,还长期投身于社会公益事业,身兼欧美同学会企业家联谊会会长、中美清洁能源论坛中方联名主席、中国通用航空发展协会会长、中国直升机产业发展协会会长、中国留学人才发展基金会副理事长、美中友好协会委员、诺贝尔(中国)论坛执行主席、中国度假联盟主席、四川省汶川地震灾后重建基金会名誉会长、中国低空产业经济研究院院长、四川省 5.12 灾后重建促进会名誉会长等职务。



## **US-China Collaboration Summit:**

# **Investment & Development in US Infrastructure**

Chair: Dr. Charles Shen Co-Chair: Ms. Lin Fanyu



Mr. Charles Shen,

Co-Director of Columbia University Advanced Construction and Information technology (ACTION) Laboratory, President of Chinese Association for Science and Technology USA, Greater New York Chapter.

Dr. Shen is currently the Co-Director of the Advanced Construction and Information technology (ACTION) Laboratory at the Department of Civil Engineering and Engineering Mechanics of Columbia University. Prior to his current position, he worked as a Senior Member of Technical Staff at AT&T. Before joining AT&T, he had conducted research for

various periods at Columbia University Department of Computer Science, IBM T.J. Watson Research Center, Telcordia Technologies, Samsung Advanced Institute of Technology and Singapore's Institute for InfoComm Research (A\*STAR). Dr. Shen and his lab are leveraging cutting edge Information Technologies (IoT, AR/VR, Blockchain etc.) to support sustainable urbanizations. He and his colleagues are building a data-driven city simulation platform aimed at better solving urban sustainability and resiliency, smart city management, and quality of life related problems. He has authored and co-authored numerous articles and technical reports, including peer-reviewed publications at top journals and conferences sponsored by ACM, IEEE, IFIP and ASCE. He also codeveloped several Internet standards and specifications, published by IETF. In addition, he is an inventor of 7 awarded and 4 pending United States patents.

Dr. Shen serves as President of CAST-USA, Greater New York Chapter, Board of Governor, Board of Director and Vice President of CAST-USA. He holds a Ph.D. in Electrical Engineering from Columbia University and an Executive MBA from Columbia Business School.



Ms. Lin Fanyu Vice President of the Chinese Association for Science and Technology, USA, Greater New York Chapter

A passionate social entrepreneur, Fanyu Lin serves as the Chief Executive Officer at FLUXUS LLC. The company is committed to enhancing living qualities in communities across the economic spectrum by providing governments, the private, public sectors and NGOs with an effective way of building quality, sustainable and affordable housing.

Ms. Lin has demonstrated excellence in management, business development, public relations and fundraising while working at George Maciunas Foundation. She also works as architecture designer, researcher, curator, and has been curating and lecturing internationally. Her research was featured in several international exhibitions including



14th Venice Architecture Biennial. An exhibition she co-curated was awarded the Excellent Project for Promoting Smart City Construction by Beijing International Design Week Organizing Committee.

Fanyu Lin received Master of Science degree in Advanced Architecture Design from Columbia University in the City of New York, Bachelor in Architecture from China Central Academy of Fine Arts. Lin was honored with a certificate in Business Administration and Management from Baruch College - The City University of New York, and graduated from Innovation and Entrepreneurship at Columbia Business School.



Remarks
Mr. Lee Goldman
Dean of College of Physicians & Surgeons Chief Executive of Columbia University
Medical Center

Lee Goldman, MD, MPH, is the Harold and Margaret Hatch Professor, Executive Vice President and Dean of the Faculties of Health Sciences and Medicine, and Chief Executive of Columbia University Medical Center. He serves as Dean of the College of Physicians and

Surgeons and also is administratively responsible for the Mailman School of Public Health, the College of Dental Medicine, and the School of Nursing. Dr. Goldman earned his undergraduate, medical, and master of public health degrees from Yale University. He received his clinical training in medicine at the University of California, San Francisco (UCSF) and at Massachusetts General Hospital, and in cardiology at Yale New Haven Hospital. Before joining Columbia University in 2006, he was the Julius R. Krevans Distinguished Professor, Chair of the Department of Medicine, and Associate Dean for Clinical Affairs of the School of Medicine at UCSF. Prior to moving to San Francisco, he served as Professor of Medicine at Harvard Medical School, Professor of Epidemiology at Harvard School of Public Health, and Vice Chair of the Department of Medicine and later Chief Medical Officer at Brigham and Women's Hospital.

Dr. Goldman is a member of the American Society for Clinical Investigation; past President of the Association of American Physicians, the Society of General Internal Medicine, and the Association of Professors of Medicine; a Fellow of the American Association for the Advancement of Science; a past director of the American Board of Internal Medicine; and a member of the National Academy of Medicine. He is the recipient of the highest awards from the Society of General Internal Medicine (the Glaser Award), the American College of Physicians (the John Phillips Award), and the Association of Professors of Medicine (the Williams Award), as well as the Blake Award from the Association of American Physicians and the Outstanding Achievement Award in Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke from the American Heart Association.



Mr. Jiang Weimin President of the Chinese Association for Science and Technology, USA

CAST-UT 2007 President and CAST-USA 2010 Vice PresidentCPublic Relations (US), received his MS/BS from Chongqing University and MS from University of Utah. He has been an active life time member of CAST-USA and served as Vice President of CAST-USA in 2009, President of CAST Utah Chapter in 2007. He has been actively involved with CAST-UT and

CAST-USA 网站 cast-usa.org

CAST 年会网站 cast-gny.org



CAST-USA, helped and led several CAST teams to work on various collaboration projects both in US and China in the past years. He is founder and President of US New Century Group, Inc., and founder and Vice President of CQU Alumni, USA. He has published 1 book, 7 papers and awarded 3 prizes in mining and environmental engineering.



#### Mr. Chen Zhixiong, Chairman of the Board of Governors Chinese Association for Science and Technology, USA

Dr. Zhixiong Chen is a Professor and the Chair of the Department of Mathematics and Computer Sciences in the School of Liberal Arts at Mercy College, New York. He was the 2016 President of Chinese Association of Science and Technology, USA. In addition, he serves the president of Services Society and the CEO of Westchester IT services and Research Center. Dr. Chen's research interests are in information assurance and security within Services

Computing including Cloud Computing. He has published more than 40 peer reviewed journal and conference papers, and served as program chairs, committee members in various IEEE conferences. He holds CISSP (Certified Information Systems Security Professionals), senior member of IEEE and ACM. Dr. Chen had worked for over six years at IBM Research Centers before joining Mercy College. He has PhD in Mathematics and Master in Computer Science from the University of Pittsburgh, USA, and Master and Bachelor in Mathematics from Shanghai Jiao Tong University, China.



Mr. Adriano Espaillat United States Representative

U.S. Representative Adriano Espaillat represents New York's Thirteenth Congressional District. Congressman Espaillat currently serves as a member of the influential U.S. House Foreign Affairs Committee, the House Committee on Education and the Workforce, and the House Select Committee on Small Business. He also serves as Chairman of the CHC Task Force for Transportation, Infrastructure and Housing.

A steadfast champion for working- and middle-class New Yorkers, Congressman Espaillat is a staunch advocate of a fair living wage, immediate and effective investments in affordable housing, meaningful criminal justice reform, infrastructure improvements, expanded youth programs, and better educational opportunities. Prior to coming to Congress, he served as a New York State Senator during which he represented the neighborhoods of Marble Hill, Inwood, Washington Heights, Hamilton Heights, West Harlem, the Upper West Side, Hell's Kitchen, Clinton, and Chelsea. While in the New York State Senate, Congressman Espaillat served as the Ranking Member of the Senate Housing, Construction, and Community Development Committee.

Throughout the tenure of his career in public service, Congressman Espaillat has been a vocal advocate for protecting tenants, improving schools, and making serious, smart investments in economic development, job creation, and environmental protection.



Ms. Carmen De La Rosa New York State Assemblywoman

Carmen De La Rosa is a career public servant and a resident of Northern Manhattan who is deeply committed to serving her community. Carmen is passionate about using government as a tool for social change and a vehicle to empower and support communities. In May 2016, Carmen also completed Coro Leadership Institute-New York. In November 2016, Carmen was elected to the NYS Assembly for the 72nd Assembly District.

In 2007, she began her career working for NYS Assembly member Daniel O'Donnell, where her passion for government and politics was sparked. She worked with communities on the Upper West Side to improve the quality of life of residents, fight colocations in local public schools and preserve affordable housing. It was here that she learned the functions of a State Assembly office.

After rising through the ranks in state and local government, Carmen was appointed chief of staff to Council member Ydanis Rodriguez in 2014, representing the communities of Inwood, Washington Heights and Marble Hill. She played an instrumental role in the passage of nearly a dozen bills related to Mayor Bill de Blasio's Vision Zero initiative, among other notable legislative accomplishments. In managing the office's discretionary budget, she worked to support countless neighborhood institutions, from senior centers, to afterschool programs to social service providers, ensuring local nonprofits received crucial funding. Carmen has gained a firm understanding of the true needs of the uptown community and how to address them, through legislative action; smart, progressive budgeting; fierce advocacy and community organizing.



Ms. Grace Shu United States Public Health, Service Advisor

Dr. Grace Shu has tirelessly worked for humanitarian causes in the U.S. and abroad. She has served in local, state and federal government in various senior-level positions and has been recognized by several Mayors, Governors, U.S. Presidents, and other world leaders for her work in international trade, health care, and foreign policy.

Dr. Shu is a National Health Service Advisor and the Special Advisor to the Institute of Human Virology at the University of Maryland, a Commissioner on the Pennsylvania State HIV Prevention Commission, Co-Founder & Chair of the American Friends of Western Returned Scholars Association, and a Senior Advisor to the Chinese Association for Science and Technology, NY, USA. Also Dr. Shu is the Senior Advisor for the China CDC, Center for AIDS/STD Control and Prevention. Throughout her career she has helped to improve the health care of those who are underserved, and facilitated international trade.

In addition to health care, Dr. Shu is well-respected in foreign policy. Dr. Shu advises major corporations on international issues. She is the Chief Advisor to the City of Williamsport, Pennsylvania on International Affairs, Chair of the China General Chamber of Commerce (NY), Inc. a former member of the USA–ROC Economic Council, and Vice-President of the U.S. Williamsport-Lycoming Chamber of Commerce.



Dr. Shu is an accomplished writer who has published numerous pieces in both English and Chinese language newspapers and the Practical Medical Handbook. Dr. Shu is the Chair of the Asian American Voters Coalition, Chair of the Chinese-American Republican National Federation, and President of the International Sister Cities Promotion Association. She served on New York City Mayor Bill de Blasio's Inaugural Committee representing Asian Americans. Dr. Shu has met with President Barack Obama, and has been personally received in the White House Oval Office by President George Bush and in the White House East Room by President Bill Clinton for her contributions to health care and Asian-American affairs.



Mr. Xing Jijun Science and Technology Counselor at Consulate General of the People's Republic of China in New York

Dr. Xing Jijun, Science and Technology Counselor in Chinese Consulate-General in New York. He received a bachelor degree of engineering, Tianjing University, a master degree in economics, People's University of China and a PhD in administrative management, Huazhong S&T University. Dr. Xing has years of experience since 1990 in managing and facilitating

international scientific and technological cooperation. He served in Chinese Embassies in Norway and the Netherlands, Director of Asia and Africa and Director of Europe in the Chinese Ministry of Science and Technology (MOST). Before taking the current position. Dr. Xing served China Science and Technology Exchange Center as Deputy Director General covering governmental and non-governmental cooperation in science and technology, technology transfer and academic exchanges. His personal academic interest includes low carbon development technologies and low cost health technologies etc. Dr. Xing is now still a strategic evaluation expert for international cooperation under European Horizon 2020 program.



Mr. Liu Jun Science and Technology Counselor, China Mission to the United Nations

Domestic working experiences: Program Officer, Section Chief, Deputy Director, Department of International Cooperation, State Science and Technology Commission, PRC; Director, Department of International Cooperation, Ministry of Science and Technology, PRC; Counselor, Department of International Cooperation, Ministry of Science and Technology, PRC.

Overseas working experiences: Second Secretary, Chinese Embassy to the United Kingdom; First Secretary, Chinese Permanent Mission to UNESCO in Paris, France; Counselor, Chinese Consulate General in Chicago, USA. Counselor, Permanent Mission of the People's Republic of China to the United Nations.





Keynotes Mr. Ydanis Rodriguez New York City Council Member

NYC Council Member Ydanis Rodriguez represents the 10th Council District at the New York City Council. This includes the neighborhoods of Washington Heights, Inwood and Marble Hill, hardworking communities bursting with culture and creativity. During his time in office, Council Member Rodriguez has been a fierce advocate for working families and those striving toward the middle class.

Ydanis started his career in public service as the co-founder of Gregorio Luperon High School in Washington Heights, a school focused on supporting newly-arrived immigrants from Latin America. Ydanis taught here for 13 years before winning his City Council seat in 2009.

As a progressive-minded legislator and leader, Ydanis has stood at the forefront of efforts to close the wage gap, enhance workers' rights, fight for protections for immigrants and build safer communities. He has always been a champion for social justice since his time leading student movements against tuition increases and police brutality, carrying through to his highly visible support at Occupy Wall Street protests and worker actions. Ydanis was profiled as Time Magazine 2011 Person of the Year for his action during Occupy Wall Street.



Mr. Xiao Yuqiang Chairman of US Management Committee of ICBC

Mr. Xiao Yuqiang is the Chairman of ICBC US Management Committee, the General Manager of ICBC New York Branch, the Chairman of ICBC (USA) NA and the Chairman of ICBC Financial Services LLC. He also held the title of senior economist of ICBC. Prior to his current role, Mr. XIAO had been serving as the General Manager of ICBC Paris Branch since 2010 (as head of the preparatory team of ICBC Paris Branch before its opening). Thanks to its remarkable business growth since establishment, ICBC Paris Branch soon became one of the

most important foreign banks in France and was awarded as Best Investor of Ile-de-France in 2011. During 2005-2010, Mr. Xiao worked for ICBC Tokyo Branch. He was appointed the Assistant General Manager of ICBC Tokyo Branch first and then further promoted to the Deputy General Manager in 2007. Mr. XIAO joined ICBC in early 90s, working for its Jilin Branch in China, during which Mr. Xiao engaged mainly in international business and accumulated great experience in banking industry, especially in the areas of credit, international trading and business development. With his excellent skills and performance, Mr. XIAO was promoted to Executive Vice President of a key sub-branch in April 2001.





**Panelists** 

Mr. Feniosky Peña-Mora Edwin Howard Armstrong Professor of Civil Engineering at Columbia University Former Commissioner of New York City, Department of Design and Construction

Prof. Peña-Mora is the Edwin Howard Armstrong Professor of Civil Engineering and Engineering Mechanics, Professor of Earth and Environmental Engineering, and Professor of Computer Science at Columbia University. He took a public service leave from 2014 to 2017

to serve as the New York City Commissioner of the Department of Design and Construction, the largest municipal capital construction agency in the nation with over 1200 projects valued at more than \$15 Billion undertaken by more than 1400 employees and 1300 consultants. At DDC, his priorities included the creation and expansion of resilient infrastructure projects that will protect New York City against extreme weather emergencies, such as the East Side Coastal Resiliency. Under his leadership, more than 860 construction projects, valued at more than \$9 billion, started or completed; the agency received more than 80 awards; and the agency committed more than \$5.4 billion in new contracts, each one a record for DDC.

Prior to his public service leave at DDC, he formerly served as the Dean of the Fu Foundation School of Engineering and Applied Sciences. Previously, he was Associate Provost and the Gutgsell Endowed Professor at the University of Illinois at Urbana-Champaign. Before joining the faculty at Illinois, Dr. Peña-Mora was the Gilbert W. Winslow Career Development Associate Professor at the Massachusetts Institute of Technology, where he earned his Master of Science and Doctor of Science degrees in civil engineering in 1991 and 1994, respectively.

Prof. Peña-Mora is the author or co-author of more than 210 scholarly publications. He holds six patents and one provisional patent. He is a fellow of the Chartered Institute of Buildings (CIOB) as well as elected member of the Dominican Republic Academy of Sciences, and the United States National Academy of Construction. His research includes information technology support for preparedness, response, and recovery during critical physical infrastructures disasters. His work has earned him an international reputation for change management, conflict resolution, sustainable construction, and processes integration during the design and development of large civil engineering systems. Prof. Peña-Mora was the chief information technology consultant on the Boston Central Artery Third Harbor Tunnel Project, where he focused on information technology support for change management and process integration during the design and construction phases of the \$14.8 billion, two-decades long engineering endeavor. His research findings have been implemented in several large-scale infrastructure projects, including the Tren Urbano projects in Puerto Rico.





Mr. Seth Pinsky
Executive Vice President of RXR Realty, Former President of NYCEDC

Mr. Seth Pinsky serves as Executive Vice President and Investment Manager of the RXR Realty's Metropolitan Emerging Market Strategy. In this role, Pinsky is leading RXR's efforts to invest in "emerging opportunities" in New York City and the surrounding Tri-State region, focusing on asset classes and geographic regions that have historically been characterized by underinvestment, but that have significant growth potential due to planned or in-place infrastructure and other relevant characteristics.

Prior to joining RXR, Pinsky served as Director of Mayor Bloomberg's Special Initiative for Rebuilding and Resiliency, which developed a \$20 billion plan to help neighborhoods stricken by Hurricane Sandy to rebuild smarter and stronger and to protect critical citywide systems and infrastructure from the likely impacts of climate change in coming decades. Pinsky also served as President of the New York City Economic Development Corporation (NYCEDC), a position to which he was appointed by Mayor Michael Bloomberg in 2008, after joining the agency in 2003 as a vice president. During his tenure, NYCEDC became an international leader in the field of economic development, focusing both on transforming the city's underlying economy and investing in its critical infrastructure.

While at NYCEDC, Pinsky served as a lead negotiator on behalf of New York City for projects ranging from Yankee Stadium and Citifield, to the World Trade Center, to the acquisition of Hunters Point South in Queens, the largest middle-income housing development in the City since Starrett City. Among the initiatives advanced by NYCEDC under Pinsky's leadership were the redevelopment of Willets Point in Queens, Coney Island in Brooklyn, the Homeport in Staten Island, and the Kingsbridge Armory in the Bronx, as well as the creation of a major new bioscience research park on City-owned land, north of Bellevue Hospital. Under Pinsky, NYCEDC also managed the construction of the first two phases of the High Line in Manhattan, launched a new East River Ferry service connecting Brooklyn, Queens and Manhattan and announced and advanced plans for the world's largest observation wheel in St. George in Staten Island. In the area of economic modernization, under Pinsky, NYCEDC created the Center for Economic Transformation (CET), which, in addition to launching a network of business incubators across the City that, at the time of Pinsky's departure, housed more than 600 companies. It will also result in the creation of a \$2 billion engineering campus on Roosevelt Island, being developed by Cornell University and the Technion-Israel Institute of Technology.



Mr. James Salter
Founder of Construction Management & Development (CM&D)

Mr. James Salter is the founder and former Chairman of Construction, Management & Development (CM&D), and a founding board member of Rose Rock Group. Mr. Salter's career in the construction industry spans over three decades. He is presently a building and development consultant for numerous redevelopment agencies throughout the western United States.



Through CM&D, Mr. Salter provides exclusive construction and development project management to developers, architects, engineers, and municipalities. Over his career he has built in four continents and has been responsible for some the premier projects built. In 1995 Mr. Salter was the Project Manager of the Six Tower High Rise Development – Country Club Village, which received The International Public Engineers Grand Award as the Project of the year.

Over the years, Mr. Salter has been involved in all phases of the building process and Building types (Office, Hospitality, Residential, Industrial) from planning, site acquisition, and pre-design budgeting, through design, procurement, underground construction and utility installation, site work, and field construction.



Mr. Joseph Barba Director of Student Entrepreneurship at CUNY

Dr. Joseph Barba is professor of Electrical Engineering at the City College of New York. He is the founding dean of the Grove School of Engineering. During his tenure as dean he spearheaded the development of the Grove School of Engineering student entrepreneurship program leading. He also spearheaded the IN2NYC program with the New York Economic Development Corporation. He currently serves as the Director of Student Entrepreneurship at the City College and also serves as Director of the STEM Institute.



Mr. Grant Jiao Managing Director of Gemdale USA Corporation

Grant Jiao is the Managing Director of Gemdale USA. He joined Gemdale USA in June 2015. Previously, he had been working on UBS-Gemdale China Real Estate Fund and WINS Investment, a private equity real estate fund management firm wholly-owned by Gemdale Corporation since early 2010. Prior to Gemdale, Grant started his real estate career in 2003 with Property & Portfolio Research, a prominent real estate research and consulting firm headquartered in Boston, now the Portfolio Strategy division of CoStar Group. Grant spent

four years at PPR on their debt, portfolio strategy and Asia teams, before he joined Clarion Partners in New York, then re-joined PPR to head their Asia-Pacific Services in Hong Kong. Grant also served as CEO of Shanghai-based Canaan Capital, which acquired real estate assets in Europe and Australia, before he moved back to US in July 2015. Grant obtained his MBA from University of Rochester and MS from Peking University. He also studied commercial real estate development at MIT Center for Real Estate. He had been a chartered financial analyst (CFA) and is a trustee of China Real Estate Association.

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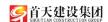




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Oct. 8th



Oct. 8th Afternoon



Ydanis Rodriguez
Oct. 9th

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## 来多之学做个有核心的创业者

**南京**素有 "六朝古都"之称,是中华文明的重要发祥地,是国家重要的科教中心。**江宁**作为南京南部新城,从东西南三面环抱南京主城,区域面积 1561 平方公里,常住人口 121 万,是南京市区域面积最广、经济体量最大的区。

经济 2016 年,完成地区生产总值 1680.5 亿元,占南京市总量近 1/6;一般公共预算收入 210.2 亿元,总量连续四年位列全省区县第三;规模以上工业企业 667 家,总产值突破 3000 亿元,其中高新技术产业产值比重达 64.7%。上市企业总数累计达 65 家,在全省县(区)级单位中居第三位。

交通 江宁是南京对外沟通的重要枢纽,坐拥空港、长江港、高铁港三大交通枢纽之便利,禄口机场已建成覆盖国内、通达全球的航线网络,滨江港建成10个万吨级码头,京沪高铁等4条高铁、沪宁等6条高速以及104等国道成网成环,地铁1号线、3号线、机场线S1等贯穿城区,形成了现代化水陆空立体大交通网络。



生态 百里秦淮、浩荡长江穿境而过,青龙山、牛首山、方山等 400 多个山丘散布其间,新济洲湿地、银杏湖、九龙湖等湿地湖泊点缀 其中, 2017 年底美丽乡村覆盖率将达 70%,目前已创成"国家生态文 明建设示范市县"。

资源 江宁拥有全国最大的大学城,拥有东南大学、河海大学、南京航空航天大学等 26 所驻区高校,在校师生超过 23 万人。入驻包括世界 500 强在内的各类企业研发机构 750 多家,拥有国家级和省部级重点实验室 102 家,高层次人才超过 3.2 万人,集聚 4 名诺奖得主、36 名院士,国家"千人计划"、"万人计划"专家 126 人,成为全省唯一的"千人计划"、"万人计划"及欧美同学会留学报国基地国家级人才"三基地"区。

产业 江宁目前已拥有三个国家级、三个省级开发园区,创成智能电网、可再生能源、通信与网络、生物医药、节能环保、未来 网络等6个国家火炬特色产业基地;构建了汽车、智能电网、信息技术三大支柱产业;高端装备制造、生命科学、节能环保三大新兴产业;文化休旅、现代物流、软件和信息三大现代服务产业体系





烟台辖 4 区、1 县、7 个县级市和 2 个国家级经济技术开发区、1 个国家级高新技术产业开发区、1 个国家级保税港区、1 个国家级自然保护区,陆域面积 1.39 万平方公里,海域面积 2.6 万平方公里,常住人口 706 万。2016 年,烟台 GDP 达到 6926 亿元,位居全国第 19 位;山东省第 2 位。烟台是中国北方重点侨乡,旅居海外华侨华人、港澳同胞近 60 万,归侨侨眷 40 万。目前有侨资企业 906 家,此外,烟台籍侨胞为我市公益事业捐赠钱物折合人民币 2.3 亿元。

烟台人杰地灵,素有重视人才的好传统。"十二五"以来,烟台大力实施人才优先发展和创新驱动发展战略,人才发展水平不断提高。目前,全市拥有各类人才 170 万人,其中高层次人才 7万人。每年引进海外高层次人才 400 多人,常年在烟工作的国外技术管理人才达 2800 多人。烟台高层次人才队伍建设卓有成效。目前,拥有院士 3 人,柔性引进院士 58 人,国家千人计划专家 105 人,国家友谊奖、齐鲁友谊奖 45 人,万人计划 9 人,山东省泰山学者和泰山产业领军人才 120人,烟台市双百计划专家 166 人等,共获授权专利 700 多项,涌现出大批知名专家学者。来烟创新创业 3000 多名留学人员共创办企业 530 多家,实现产值 150 亿元。

近年来,烟台出台了《关于进一步加强高层次人才队伍建设的意见》等 30 多个文件,以突破性的优惠政策,吸引各类优秀人才来烟发展。2009年,我们实施了高端人才引进"双百计划", 2015年又提出了深化拓展"双百计划"的意见。

"十三五"期间,重点围绕机械制造、电子信息、现代化工等传统优势产业,新能源与节能环保、新材料、生物技术等战略性新兴产业和金融保险、文化创意、现代物流等现代服务业,计划引进 100 名高端创新人才和 100 名高端创业人才。

为打造高层次人才创新创业的集聚中心和示范基地,我们积极建设烟台高层次人才创业园,在高新区、莱山区、福山区、开发区建设四个园区,为入园高层次人才提供一系列优惠政策。为打造海外人才集聚平台,我们不断加大国家级留学人员创业园建设力度,去年获批设立欧美同学会•中国留学人员联谊会留学报国烟台基地,吸引了包括21名"千人计划"专家在内的370多名海外人才入园发展。为了给高端人才来烟发展提供个性化、全方位服务,我们打造了中国烟台

人力资源服务产业园,是国内8家国家级人力资源园区之一,目前入驻40家知名人力资源服务机构,去年荣获"大中华区人力资源服务创新大奖"。

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## 中国。直域四征部区

### 2 这里大有希望

每次以及收收效应,从他的企业的,是内部大厅发的重要的企业。 他在"一多一面"而是目光中心的现在分词。在10年以外发现的对外并 数据码中以为数据数据数据数据

### ② 中国内陆开放高地 全球重要投资目的地

● 内限官や探官が开文井が制区――原内司工管区 (表 中部(意内)及联系会示等可目前哲中心 中級(意内)会由質目試験区

三大河南州市中市、新都市北京小学市市工、商品 全体企业、加多市市内部北京市市市、137、加高市市区。 2014年以来、GDP地区市14个学区内配合的、区村市 中心企大学等于原始和全种业大学电子产品。 是中间 市场地区沿岸市的营业和企业公司区域之一。

### ② 求贤若渴 函数天下基才

第2020年、東京全市 規則性医院产业を立領域、第 卓解及、专会技事、技能人才 25万金人、集中研究人才6万 全人、专会技事人才8万金人、 技能人才11万金人、東京市場 5年左右利利、毎年利度1000 年2000年前内等人才及諸県、 都等年次公民連位。

#### <sup>②</sup>重庆两江新区 优惠的引才政策,良好的发展环境

#### "3311" 产业体系

経済汽车、电子信息、装备制造3大支柱产业、大款制、 大健康、緑色等級3大額支柱产业、均自复展10大規略 付新汽制造金和10大規略性新汽服务业、超过万亿路的 产业延期分入者及短的大部介。

#### "2+5" 人才政策体系

設立毎年不少于1亿元的人才专項資金; 設立10亿元保新制度专项资金; 打造品景不少于100万平万米的"人才房"

#### 4个"黄金十条"

州江城区北西4个"东亚十多"实施造造机制,对该引进的 制造业、总部、金融和科技管企业的高铁、高技术人才如于 5年专项实验;高层水人才创料技术业绩研发机构设置和标 总数域数据并设置。按照方符计高数据50%的子实施。



## TIADJID HI-TECH AREA **大津**高新区

## CHINA

Committed to be inclusive, win-win, mutually-beneficial and open, China provides continuous strong power for global economic stability and growth by adapting to and leading economic globalization.

## BINHAI NEW AREA

research achievements, the center of international shipping in North growth pole of Chinese economy". center and new ecological livable area. It is honored as 'the third China, it is an industrialization manufacturing industry and base for high-level modern

- comprehensive reform innovation · The first Chinese national
- The two-way east-to-west shipping axis of "the Belt and Road"
  - The intersection of Bohai River Rim Economic Belt and
- Beijing-Tianjin-Hebei city group
  GDP exceeded 1 trillion RMB in
  2016

Chinese center for industry innovation and manufacturing

- Collecting effective resources, THT prioritizes "two big industries" (New Energy and Electric Vehicle, New Generation of Information Technology) and "two special industries" (Culture & Creativity, Health). By introducing world-class major scientil projects, THT is develop the influence of its own brand and core
- Mature environment for scientific industrialization
- Industry policies for enterprises to grow rapidly









to make a
100-Billion-RMB Film
and TV Culture
Industry Chain

## National Innovation Demonstration Area

Pilot Park of State Administration for Industry & Commerce of the P.R.C.

## 海外高创 让海外项目落地无忧!



海外高创

海外高创孵化器,专注于中美产业转化服务对接,以强大的政府资源和政策为支撑,依托旅美科协和硅谷高创会以及美国其他科技协会平台,快速、直接、精准发掘有潜力的海外项目和优秀团队,并配备专业服务团队进行项目筛选,确保高精尖的海外项目入驻海外高创孵化器。

#### 海外高创具有突出的八大职能:

- 1、提供座落在广州市开发区内优美漂亮的海外高创孵化器办公环境;
- 2、协助对接广州市政府各种支持政策,获取政府最大力度支持;
- 3、对被孵化企业在中国市场进行应用行业需求分析及市场战略精准定位;
- 4、孵化器拥有专项基金投资或者协助寻找其他投资人直接投资被孵化企业;
- 5、协助被孵化企业找到天使客户,引进销售人才,迅速打开中国市场,快速形成收益;
- 6、为被孵化企业寻找战略合作企业或者产业协同企业,确保快速发展;
- 7、提供政策、管理、财务、融资、市场推广和培训等全链条配套服务;
- 8、扶持被孵化企业最终独立上市或被上市公司并购。

海外高创通过这八大独特优势和资源,保障海外项目和产品在本土市场的健康长期发展,及优秀人才和团队在中国的真正落地。

#### 广州海外高创孵化器有限公司简介

Guangzhou Overseas High-tech Innovation Business Incubator Co., Ltd.

Overseas High-tech Innovation Business Incubator Co., Ltd., focuses on service industry of China and the United States transformation, supported by powerful resources and government policy, relying on the US-Based association for science and technology, SVIEF and other American association for science and technology platform, rapidly, directly and precisely explores and screens for advanced overseas projects and excellent team for cooperation . Overseas Hightech Innovation Business Incubator Co., Ltd. possesses beautiful office environment and special investment funds, equipped with professional service team for analysis of industry application requirements and precise market strategy positioning. Overseas High-tech Innovation Business Incubator Co., Ltd. aims to assist the incubation project with docking government support policy, expand the angel customers, introduce the sales personnel, and look for strategic cooperative enterprises or Industrial cooperative enterprises. Besides, Overseas High-tech Innovation Business Incubator Co., Ltd. offers the whole chain-supporting services, including industry policy, management, law, finance, finance, marketing and training. Overseas High-tech Innovation Business Incubator Co.,Ltd. also intend to expand the Chinese market of incubated enterprises and its long-term healthy development, so as to guarantee overseas projects and teams to hit the ground in China.





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#### 太平洋创新走廊 Trans-X Innovation Eco 科技创新与科技服务的世界级生态平台

#### 国际合作助推自主创新 技术创新推动产业创新

#### TIE

"太平洋创新走廊"(Trans-X Innovation Eco, 简称"TIE"),是清华控股 隆重推出的科技创新与科技服务的世界级生态平台,欢迎与全球合作伙伴携 起手来,共同推动从科技创新到产业创新的大循环、大协同、大合作、大发展。

TIE 宗旨: 通过国际合作推动自主创新, 深度挖掘全球科技菁英、产业菁 基对技术的理解, 经除和能力:

深度挖掘广大产业体系与区域经济的创新需求;

为散落在世界各地的清华校友及其他优秀学子"回国服务、为国服务"提供全面的支撑和服务。

#### TIE与企业协同创新合作

全面战略 合作会员 全部領域并购项目、技术引进、 孵化投资分享合作 毎年会球完向发布搜具 5 項核

每年全球定向发布搜寻 5 项核 心技术

战略 合作会员 5 个领域内的并购项目、技术引进、孵化投资分享合作 每年全球定向发布搜寻 2 项核 心技术

领域 合作会员

2 个领域内的并购项目、技术引 讲、孵化投资分享合作 参加领域全球协同 创新年会(闭门会 边)

清华控股与第四次 工业革命中心等国 际组织世界最新创 新趋势与成果分享

清华产业全球发展 信息、资源的分享 合作

#### 全球并购项目、技术引进、孵化投资分享合作:

每个技术领域每年10次优质项目线上路演,每次不少于8个,经A.B轮筛选确认投资、 合作、并购等意向后,C轮考察与谈判。

#### 全球搜寻关键技术与关键人才:

准战略合作以上会员发布关键技术和人才需求, TIE 依托全球资源网络定向发布、寻找和 A/B 轮筛选, 引进技术资本和人才资本, 助力企业跨越发展。

#### 链接全球 服务中国:有密度、有浓度、 无边界的创新生态平台

- 海外先进技术、优质项目与人才
- 9 个全球专家委员会 2000+ 专家
- 海外技术转移职业工作者
- 海外华人科技组织
- 各大名校海外校友会
- 全球知名创新企业孵化机构…
- 清华产业全球创新深度合作伙伴
- ◎ 清华产业 200+ 全球孵化网络
- ◎ 美国知名高校技术转移办公室
- 第四次工业革命中心等十余家 国际创新组织
- 中国企业联合会…

#### 海外先进技术 项目与人才



- 最优质技术转移服务者
- 知识产权交易服务
- 法律服务
- ◎ 资产评估与财会服务
- 投资孵化机构…

## TIE

政产学研 协作组织

双创资本产业资本

- 基金助力创新孵化、产业升级
- 清华产业全线基金
- 全球领先股权私募基金各类基金管理优秀人才
- 跨政府、央企和民间的优质资

#### TIE理念









- "我们强调自主创新,绝不是要关起门来搞创新,"
- "要坚持'引进来'和'走出去'相结合,积极融入全球创新网络,全面提高我国科技创新的国际合作水平。"

#### TIE与政府协同创新合作

## 中国合作伙伴

- ◆ 清华产业创新項目和人才的推荐对接
- ◆ 清华产业城市级解决方案全面合作与服务
- ◆ 清华产业创新基金经验、资源的分享与合作
- 全球创新趋势、政策与成果分享
- 每个城市组建一个领域创新中心,各城市构成优先支持网络



#### 在中国合作伙伴基础上---

- 海外窗口与城市创新主題推介
- 卓越创新人才的引流和富集
- ◆ 海外创新项目定向引流与路演
- 国内赴海外深度项目考察与对接
- ◆ 以领域创新中心为依托组织海内外政、产、学、资本协同创

新年会,打造城市国际品牌

#### 面向产业创新, 优先关注9类赋能技术领域

9 个全球专家委员会,致力于新技术、新項目和新人才的寻找、发现和识别,设计产业创新拼图,孵化新产品、新服务、新公司、新业态。













A THE PERSON AND ADDRESS.

能制造与机器人

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会融料转

物联网与集成电路

#### 热忱欢迎您加入TIE!

TIE 将架起产研合作、人才交流的国际桥梁,打通科技成果向产业转化的 纵深发展,让先进技术落地生根,让创新创业实现最大价值。TIE 以众筹模式共 创、共建,以共享、共赢服务企业、服务政府、回报社会。

热忱欢迎您加入 TIE. 成为 TIE 合作伙伴! 如有合作意向欢迎联系:

月 睿 清华控股合作发展中心合作发展高级经理 / 太平洋创新走廊政府事务官 OFFICE: 010-82150933 / EMAIL: hurui@thholding.com.cn

于晨欣 清华控股合作发展中心合作发展高级经理/太平洋创新走廊企业事务官 OFFICE: 010-82150955 / EMAIL: yucx@thholding.com.cn

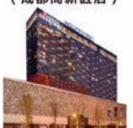
f 佳 清华控股合作发展中心合作发展高级经理 / 太平洋创新走廊中美事务官 OFFICE: 010-82159155 / EMAIL: majla@thholding.com.cn

地址:中国 · 北京 清华科技园科技大厦 A 座 25 层, 100084



## ~归国创业的新青年社区~

(成都高新区店)



(北京紫禁城店)





(北京CBD店)

(北京新国展店)



(南京未来科技城店)



(深圳国家数字产业园店)



新派公寓(CYPA, China Young Professionals Apartments)是美国归国学者王戈宏先生创办的面向都市青年新型居住社群的品牌公寓。它致力于为都市创业青年打造新的Lifestyle, Home, Community, 2013年在北京故宫以及CBD开业了旗舰店,吸引了来自普林斯顿,耶鲁,MIT,伦敦政经等世界名校的海归入住。目前租户中有海外背景的达70%以上,成为国内一个拥有独特气质的高品质居住社区。新派公寓将在国内一线以及经济发达城市的核心地段及创业开发区开出统一标准及管理的公寓产品,目前在北京的故宫边,CBD核心区,新国展空港产业园、成都高新区、深圳国家数字产业园、南京未来科技城以及杭州,武汉,合肥、厦门,青岛,西安等地陆续开业。让留学生归国创业"有品质地居住,有尊严地创业"是新派公寓的目标。Enjoy working, Enjoy Living!



连线新派: 400-991-8080

新派网址: www.cypam.com

开启新派生活,从扫码关注开始~

## 招吳维

#### 先进制造技术研究所简介

先进制造技术研究所是中国科学院宁波材料技术与工程研究所下属的二级所之一。先进制造所以中科院"三个面向"、"四个率先"办院方针为指导,乘承材料所"料要成材、材要成器、器要好用"建所理念,坚持多学科交叉融合,贯通"材料—设计—制造"全产业技术创新链条。先进制造所已规划部署复合材料制造与装备、功能器件制造与系统、精密制造工艺与系统、机器人与智能制造装备技术、制造信息技术等五大科研领域;已引进和招募科研人员近200名,其中"旗舰"研究员3人、研究员及正高级工程师16人、副研究员及高级工程师19人、助理研究员及工程师等科研人员50余人,高层次人才中有4名中组部"千人计划"专家、5名浙江省"千人计划"专家、3名中科院"百人计划"专家。先进制造所已成功获批中科院"机器人与智能制造"创新研究院宁波分部、浙江省级重点企业设计院,拥有浙江省机器人与智能制造装备技术重点实验室、宁波市激光精密制造重点实验室;初步建成材料制造、器件制造、精密制造、智能制造和数字化设计仿真等装备平台,以及一个占地3000平方米的大型工程实验中心,各类实验设备总值1亿余元;建所7年来,已承担国家、科学院、省市地方及重点企业委托项目等百余项,累计获得竞争性经费近2.5亿元;共发表文章450余篇,申请专利411项,获授权专利223项。

(详见中科院宁波工研院先进制造技术研究所网址 http://manufacture.nimte.cas.cn/)

根据研究所发展建设的需要,为进一步加强研究力量,拓展研究方向,先进制造所将继续面向全球公开招聘优秀人才。

#### 招聘方向

3114333140		
制造信息技术	复合材料制造与装备	
<ul><li>■ 工业传感器网络与监控技术</li><li>● 设备预后诊断与健康管理技术</li></ul>	<ul><li>● 复合材料集成设计</li><li>● 复合材料连接与装备技术</li></ul>	●复合材料成型工艺与装备 ●复合材料部件测试与评价
功能器件制造与系统	精密制造工艺与系统	机器人与智能制造装备技术
<ul><li>● 光电探測材料与器件</li><li>● 热电转换材料与器件</li></ul>	<ul><li>精密与极端减材制造</li><li>精密与极端表面处理</li><li>精密与极端增材制造</li></ul>	<ul><li>● 精密驱动控制技术</li><li>● 先进机器人及自动化技术</li><li>● 智能感知技术</li></ul>

#### 招聘基本条件

- 1.应聘人员具有博士学位或有海外科研工作经历者优先考虑:
- 2.在国际学术界或企业界有一定的影响或做出过具有国际水平的研究成果,或拥有重大发明(专利),掌握该学科领域能影响高新技术产业化的关键技术的优先考虑;
  - 3.胸怀宽广,具有立足全国、放眼全球,为我国科技事业发展和国民经济转型升级而艰苦奋斗的奉献精神;
  - 4.具备项目管理经验和团队人员管理能力者优先考虑。

#### 招聘岗位及待遇

岗位名称	科研启动经费	安家补贴
"旗舰人才"高级研究员	300-1000万元	享受135-160平米优惠购房与30万安家费
"团队人才"研究员/项目研究员	300万元/260万元	享受115-125平米优惠购房与20万安家费
"关键人才"正高级工程师/高级工程师	100万元/50万元	享受125/100平米优惠购房与20/10万安家费
"春蕾人才"副研究员	100万元	享受100平米优惠购房与10万安家费
特聘杰出青年研究员	100万元	出站留所可享受20万安家费
优秀博士后	在站期间20万元/年(最长可享两年) 出站留单位工作,经考核可再获20万元	出站留所可享受20万安家费

- ◆ 聘为研究员/项目研究员或副研究员,符合条件者可推荐申请中组部"千人计划"或中科院"百人计划"及省、市人才计划;其中青年千人计划可获得中组部提供的200-300万元,中科院提供的200万元与宁波材料所提供的300万元科研经费资助,同时额外享受270万元的个人补贴。
- ◆ 按中科院三元结构工资,提供有竞争力的薪酬(如特聘杰出青年研究员年薪25万、优秀博士后年薪不低于20万);本人和子女纳入宁波市社保体系;高层次人才享受带薪休假及研究所各类补贴。同时,研究所安心工程政策可协助引进人才的配偶工作安置、安排义务教育段子女的入学等。

#### CETC 中国电子科技集团公司

#### 美国英才见面会

#### | 人才需求

方 向:大数据、人工智能、56通信、网络安全

学 历:博士 工作地点:美国、北京、合肥等

#### 1 支持条件

薪酬待遇和工作条件一事一议,具体包括:

- 1. 有竞争力的年薪:
- 2. 安家费、免费公寓等;
- 3. 为创业团队提供科研启动经费;
- 4. 协助申请国家"干人计划、"青年干人计划"、人才优惠政策;
- 5. 为优秀海归博士配备研发团队和研发助理, 支持国际合作交流;
- 6. 协助解决配偶工作、子女入托入学等。

#### ——— 中国电子科技集团公司简介 —

中国电子科技集团公司(简称中国电科,英文简称CETC)是经国务院 批准,在原电子工业部直属电子研究院所和高科技企业基础上组建而成的 由中央直接管理的国有重要看干企业,是国务院授权的投资机构,2002年3 目1日正式挂牌设装。

#### | 见面会安排

时间: 10月下旬(具体时间待定)

地 点:旧金山、波士顿

出席人员:中国工程院院士、中国电子科技集团公司首席科学家、

中国电子科技集团公司科技部主任等

补 贴: 本地参会人员提供汽油补贴; 外地参会人员路费补贴

(视情况. 最高可全额)

#### |参会流程

提交简历至cete2017us@163.com (截止日期10月11日) ——通知参会 (10月16日)

#### | 联系方式

简历投递: cetc2017us#163.com 招聘热线: 王老师 +86-551-65391823



中国电科现有二级单位66家,上市公司8家,分布在全国26个省、市、区。现有在职职工15万人,其中科技人员占比55%,中国工程院院士11人。18人人选国家"千人计划",375人享受国务院特殊津贴。拥有国家级重点实验室18个,国家级研究中心和创新中心10个。自成立以来,中国电科共获得国家科技进步转等学13项。国家科技进步一等学18项、国际科技进步转等学13项。国家科技进步一等学18项、国际科技进步转等学13项。

2016年,中国电科实现主营业务收入1813亿元,利润总额181.6亿元。净资产1391.3亿元,在国资委考核中连续13年获得A级。2017年7月,中国电科排 各财富世界500强第400位。经历十五年的奋斗。中国电科已发展成为国内唯一覆盖电子信息全领域的大型科技集团,唯一在国家海洋、空间、网络三大领域 发挥重要作用的企业集团,唯一能够同时全方位提供信息化装备的企业集团。

### Shoo-in Career

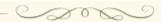
Shoo-inCareer 是美国最大的集职业咨询与企业招聘为一体的多元化交互性平台,总部坐落于纽约曼哈顿。Shoo-in 职业咨询由一群在华尔街上叱咤风云的世界顶尖商界精英创立,为国际留学生搭建与美国顶尖企业的桥梁。Shoo-in 强大的精英导师资源库已全面覆盖数百名来自全球顶尖投行、管理咨询公司、四大会计事务所、传媒及房地产公司的职场精英,帮助学生享受世界顶尖企业的培训。目前,Shoo-in 已与美国数百家全球领先及名企达成共识,为中国学生提供丰富的在美顶尖公司实习机会,不管他们未来将申请美国名校、还是在美国或归国就业,在美的工作经历都将为他们的发展道路奠定下最坚实的基础。



http://www.esbnyc.com/explore

# Empire State Building Lighting 纽约帝国大厦 纽约帝国大厦 将于 2017 年 10 月 7 日 为庆祝旅美科协成立 25 周年 特别亮灯祝贺

科协蓝 + 中国红



#### 美加美国际职业培训学校 BEAUTY BEAUTY INTERNATIONAL

41 Seventh Ave South , New York, NY 10014 TEL: 212–343–2680 FAX: 212–343–1984 Email: info@bbischool.com

#### 开设酒店 培训班 招 生

因应纽约酒店业的飞速发展和华人新移民的就业需求,美加美国际职业培训学校增设酒店工作培训班,帮助求职者进入酒店行业。

纽约是国际大都市,世界金融中心,贸易中心,旅游中心,经济中心。酒店行业蓬勃发展,从高级行政人员到清洁房间工人,酒店业员工需求量大。



#### 美加美酒店工作培训班招生

创校七年的美加美国际职业培训学校—— 酒店工作培训班招生(Housekeeping), 18岁以上,男女均可。两个月培训结业 后可以到美国品牌酒店工作。工资高福 利好,工作稳定。







#### 中国旅美科技协会介绍

中国旅美科技协会(简称旅美科协)是 1992年在纽约成立的非政治性、非盈利性的民间团体。旅美科协的三大宗旨是:促进中美之间文化、科技、教育、经贸等领域的交流与合作,弘扬中国传统文化、促进中美两国人民的相互了解,加强旅美学人、华人专业人士之间的团结、合作与交流。

旅美科协是一个跨地区(在美国)、跨行业的综合性科技团体,会员主要由来自科技、文化、教育、法律、金融、人文等领域的中国旅美专业人士组成,现有会员近万人。许多会员在世界 500 强企业或知名大公司、高等院校或研究机构从事科技开发和研究工作,许多会员已经成为了中、高层管理人员。目前在全美有十六个分会及专业学会,会员分布在美国几十个州,并在中国国内十几个省市设立了联络处。

总会设执行委员会负责日常工作,还设有董事会、理事会、学术协调委员会和顾问委员会。 旅美科协成立以来的知名名誉顾问包括陈省身教授、宋健教授、杨振宁教授、朱光亚教授、陈香 梅女士、田长霖教授、周光召教授、朱丽兰教授、路甬祥教授、邓文中先生,及诺贝尔奖获得者 达尼埃尔•谢赫特曼教授,马里奥•卡佩奇教授等学术及社会知名人士。

旅美科协总会及各分会定期举行学术研讨活动,为会员提供学术交流的平台。并定期组织其他系列活动,为会员们提供学习、工作及生活方面的交流平台。旅美科协总会定期出版《海外学人》杂志及实时通讯,内容包括介绍协会的学术活动与中美科技界、工商界的最新动态,以及各种工作与投资机会等许多会员们切身关心的内容。

每年总会及各分会举办包括全国年会及分会年会、学术讲座等在内的几十次大中型学术研讨活动,活动中旅美科协邀请中美各界知名人士对所关心的学术及社会问题进行探讨。旅美科协注重与其他专业协会的交流与合作,加强不同学科华人的交流,同时促进中美之间科技人才的沟通和科技的发展。旅美科协各分会也注重参加当地的华人社区活动,与所在地的其它侨团建立了良好的关系。

旅美科协总会现任会长蒋为民,董事会主席陈志雄,理事会主席宋云明,候任会长潘星华。 旅美科协之前的历任会长为周华康、章球、徐震春、陆重庆、马启元、周孟初、谢家叶、肖水 根、石宏、邹有所、林民跃、王飞跃、李百炼、左力、沈陆、陆强、曾大军、方形、盛晓明、蔡 逸强、于浩、宋云明和陈志雄。

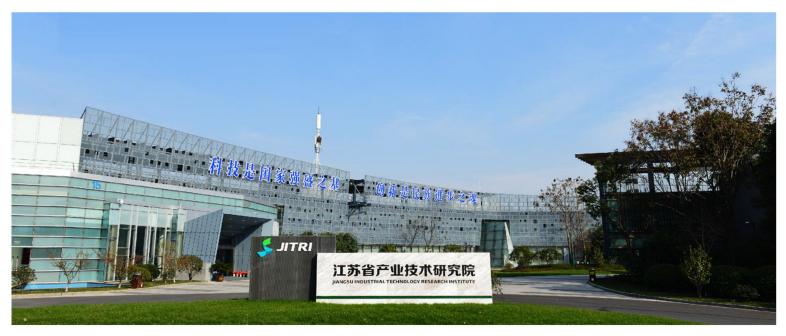
总会网站: www. cast-usa. org



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- ✓ Excellent Relationship with Industries (more than thousands of partners)
- ✓ Good Facilities and Research Teams (31 specialized institutes now, ~5500 research staffs)
- ✓ Strong Financial and Policy Support

  (\$40 M funding on average for each new insitute, \$1~5 M for each project)

















