2015 Annual Convention
Advance Program*

Convention Theme
Expanding the Economy through Education, Research, and Entrepreneurship

Registration
12:00 PM

Opening Remarks
1:00 PM – 2:00 PM
Dr. C. Eric Wu (吳振藩) Convention Chair
IBM Research

State of the Institute
Dr. Tien-Jen Cheng (鄭天人) President
GLOBALFOUNDRIES

Plenary Session (Phoenix Ballroom)
Dr. Kun-Lung Wu (吳坤龍) Session Chair
Manager, IBM Research
Prof. Tso-Ping Ma (馬佐平)
Dept. of Electrical Engineering, Yale University
Member of US National Academy of Engineers, Chinese Academy of Science and Academia Sinica
“From Transistors, Integrated Circuits, to Nanoelectronics: Past, Present, and Future”

Poster Announcement
2:00 PM – 2:10 PM
Dr. Hsin-Yu Tsai (蔡欣妤)
Manager, IBM Research

Tea & Coffee Break
2:10 PM

Parallel Session
Session I – Science and Technology (Boardroom East)
Chair – Dr. Chung-Hsun Lin (林崇勳)
GLOBALFOUNDRIES
Dr. Kai Zhao (趙凱)
Senior Engineer, GLOBALFOUNDRIES
“State of Art CMOS Technology”
Dr. Shu-Jen Han (漢述仁)
Manager, IBM Research
“Can Carbon Replace Silicon to Extend Moore’s Law?”
Dr. Josephine Chang
RSM, IBM Research

Session II – Education and Leadership (Boardroom West)
Chair – Prof. Yuying Gosser (仇玉英)
Director of Student Research and Scholarship, CUNY
Prof. Andy S. Zhang (張紹勁)
Dept. of Mechanical Engineering Technology, CUNY
“Providing Valuable ‘Working’ Experience to College and High School Students through Engaging Hands-on Mechatronics/Robotic Design Activities”
Mr. Chin-Sung Lin
Science Teacher, Eleanor Roosevelt High School
“Project-Based STEM Education in High School Context”
Ms. Jie Zhang
Principal, Stuyvesant High School
“Stuyvesant HS curriculum -- Preparation for College STEM Major Students”

Session III – Entrepreneurship and IP Law (Phoenix Ballroom)
Chair – Mr. Fred Yan (顏為民)
Educational Testing Service
Dr. Steve Sun (孫中平)
Chief Executive Officer, GENEWIZ
“Science, Engineering, and Entrepreneurship around Genomics”
Mr. Mitchell Dong
Managing Director, Pythagoras Investment Management
“From Entrepreneurship to Investor: Lessons Learned the Hard Way!”
Dr. John Blaho
Director, Academic-Industrial Research, CUNY
“Enabling Entrepreneurship: The Innovation Corps (I-Corps) Program”
Dr. Jianming Jimmy Hao (郝建明)
Attorney At Law, Fox Rothschild LLP

“Physical Analytics”
Prof. Kuan-Neng Chen (陳冠能)
Dept. of Electronics Engineering, NCTU
“3D IC and Heterogeneous Integration: A Game Changer to Semiconductor, or Not?”

* CIE-USA/GNYC is a non-profit organization.
Parallel Sessions

Session IV – Research in Cognitive, Assistive Technology, and Social Media (Boardroom East)
Chair – Prof. Yingli Tian (田英利)
Professor, Dept. of Electrical Engineering, CCNY
Dr. Ying Li (李瑛)
RSM, IBM Research
“Creative Design of Color Palettes for Product Packaging”
Prof. Zhigang Zhu (朱志剛)
Dept. of Computer Science, CUNY
“Multimodal Perception with Human-Machine Collaboration”
Prof. Zhixiong Chen (陳志雄)
Dept. of Math & Computer Science, Mercy College
“A Survey of Quality of Postings in the Internet Social Media”

Session V – Biomedical Science and Health (Boardroom West)
Chair – Prof. Bingmei Fu (傅冰梅)
Dept. of Biomedical Engineering, CUNY
Dr. Guang Li (李光)
Physicist, Memorial Sloan Kettering Cancer Center
“Our Optical Surface Imaging in Frameless Stereotactic Radiosurgery”
Prof. Yi-Xian Qin (欽逸仙)
Dept. of Biomedical Engineering, Stony Brook University
“Mechanobiology in Bone Adaptation”
Prof. Jie Wei (魏杰)
Dept. of Computer Science, CUNY
“Automatic cell quantification and classifications in brain micro-vessels”

Session VI – Robotics (Phoenix Terrace)
Chair – Prof. Jingang Yi (易勁剛)
Dept. of Mechanical and Aerospace Engineering, Rutgers
Prof. Yi Guo (郭翌)
Dept. of Electrical and Computer Engineering, Stevens Institute of Technology
“Ocean Robotics for Environmental Monitoring”
Prof. Jingang Yi (易勁剛)
Dept. of Mechanical and Aerospace Engineering, Rutgers
“Robotics Research Activities at Rutgers University”
Prof. Jizhong Xiao (肖繼忠)
Dept. of Electrical Engineering, CUNY
“3D Scene Reconstruction with Micro Ariel Vehicle (MAV) and Mobile Device”

Session VII – Poster Presentation (Ballroom Hallway 2:10 PM – 5:30 PM)
Dr. Hsin-Yu Tsai (蔡欣妤)
Manager, IBM Research
Dr. Chung-Hsun Lin (林崇勳)
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Social Banquet
Mr. Chiao-Wei Lee (李僑韋) Master of Ceremony
Welcome Address
Dr. Tien-Jen Cheng (鄭天人) President
Presentations by Scholarship Recipients
Dr. Howard Chen (陳浩) Committee Chair
Keynote Speech
Prof. Chih-Kung Lee (李世光)
Distinguished Professor, Inst. Of Appl. Mech./Dept. Eng. Sci. & Ocean Eng, National Taiwan University
“Driving Economic Development by Interdisciplinary Research and Collaborative Education”

Awards Ceremony
Dr. Yew-Huey Liu (劉玉慧) Committee Chair
Distinguished Service Award
Prof. Chih-Kung Lee (李世光)
Distinguished Professor, Inst. Of Appl. Mech./Dept. Eng. Sci. & Ocean Eng, National Taiwan University

Hotel Parking:
Parking for guests attending 10/17/2015 event is $10.

Registration Web Site
Registration Fee* (Including Dinner Banquet):
Regular: $65 (before 10/11/15), $70.00 (on-site)
Student: $30 (before 10/11/15), $35.00 (on-site)
* CIE member receive $20 discount on registration fee. Please contact Chiao-Wei Lee at chiaowilee@gmail.com for membership benefit.

CIE-USA/GNYC President
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