

2018 Annual Convention

Advance Program*



美洲中國工程師學會大紐約分會

Chinese Institute of Engineers – USA
Greater New York Chapter
<http://www.cieusa-gnyc.org>

Saturday, October 27, 2018
Sheraton LaGuardia East Hotel
Flushing, NY 11354

<https://www.marriott.com/hotels/travel/lgasi-sheraton-laguardia-east-hotel/>

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

Convention Theme

AI is shaping our future — Innovations, Opportunities and Challenges

人工智慧正在塑造我們的未來 — 創新、機會、與挑戰

12:00 PM

Registration

1:00 PM –

Opening Remarks

2:30 PM

Dr. Keith Wong (黃洸漢) *Convention Chair*
GLOBALFOUNDRIES

Gallery
Room

State of the Institute

Dr. I-Hsin Chung (鍾一新) *President*
Research Staff Member, IBM Research

Plenary Session (Gallery Room)

Dr. Tien-Jen Cheng (鄭天人) *Session Chair*
Lam Research

Prof. Kang L. Wang (王康隆)

Dept. of ECE, Physics and Astronomy, and MSE, UCLA
Member of Academia Sinica, Laureate of Industrial
Technology Research Institute, Fellows of Guggenheim,
American Physical Society and IEEE

“From Turing to Topological Quantum
Computer”

Mr. Clement Lin (林茂昌)

Co-Founder & CEO of NEXCOM International Co., LTD.
“Open Standards for Robots, Industry 4.0, etc.”

2:20 PM –

Poster Announcement

2:30 PM

Co-Chair: Prof. Dantong Yu (于丹彤)
New Jersey Institute of Technology
Poster Presenters, one minute each

2:30 PM

Tea & Coffee Break

2:40 PM –

Parallel Session

4:00 PM

Session I – Machine Learning (Boardroom East)

Chair – Dr. Jinjun Xiong (熊瑾璐)
Program Director, Cognitive Computing, IBM Research

Dr. Xiaodong Cui (崔晓东)

Research Staff Member, IBM Research
“Large Scale Deep Learning for Automatic
Speech Recognition”

Prof. Bo Yuan (袁博)

Dept. of Electrical and Computer Eng., Rutgers University
“Energy-Efficient High-Performance Deep
Learning Systems: Algorithm and Hardware
Design”

Dr. Yulong Li (李宇龙)

Research Staff Member, IBM Research
“Accelerating Machine Learning using
Neuromorphic Computing”

Session II – Advanced Semiconductor Technology (Boardroom West)

Chair – Mr. Cheng-Yi Lin (林政毅)
IBM Systems

Dr. Jianshi Tang (唐建石)

Research Staff Member, IBM Research
“Carbon Nanotubes: From Logic Technology to
Flexible Electronics”

Dr. Kafai Lai (黎家輝)

RSM, IBM Research, Fellow of SPIE & OSA
“Recent Advances in Lithography for
Aggressive Circuit Scaling to Cope with the
Challenges in Variation and Efficiency - Novel
Technology and Machine Learning”

Dr. Jin-Ping Han (韓金萍)

Research Staff Member, IBM Research
“Bio-inspired Dynamic Frondend for Speech
Recognition”

Session III – Bio-medical Research/Health Science (Gallery Room)

Chair – Dr. Jia Chen (陳佳)

Offering Leader, IBM Academy of Technology Leadership

Prof. Ming-Ming Zhou (周明明)

Chairman, Icahn School of Medicine at Mount Sinai
“From Epigenetic Structural Mechanism to
Targeted Therapy”

Dr. Lingyan Shi (石玲燕)

PostDoc Research Associate, Columbia University
“Stimulated Raman Scattering Imaging Reveals
Metabolic Dynamics in Living Animals”

Dr. Jia Chen (陳佳)

Offering Leader, IBM Academy of Technology Leadership
“Applying AI and Blockchain in Healthcare & Life Sciences”

4:00 PM

Tea & Coffee Break

4:10 PM –

Parallel Sessions

5:30 PM

Session IV – AI and Fintech

(Boardroom East)

Chair – Dr. Ching-Yung Lin (林清詠)

CEO, Graphen, Inc., Adjunct Prof. at Columbia University

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“AI for Fintech”

Dr. Jie Lu (呂潔)

CTO, Graphen, Inc.

“AI for Anti Money Laundering”

Dr. Hui Shao (邵暉)

Director, Bank of America

“Risk Analytics”

Session V – AI and Machine Learning Applications

(Boardroom West)

Chair – Prof. Yingli Tian (田英利)

Dept. of Electrical Engineering, CCNY, Fellow of IEEE

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Dept. of Electrical Engineering, CCNY, Fellow of IEEE

“Can Computer Vision Help the Blind to See?”

Dr. Xiaoping Tang (唐小平)

Google

“How Machine Learning Is Used in Advertising”

Prof. Rex Wong (王希亮)

Dept. of Engineering and Technology, Vaughn College

“The AI Based Robotic Sensor Network in Senior Homecare of the Aging Society”

Session VI – Poster Presentation

(Ballroom Hallway 2:40 PM – 5:30 PM)

Co-Chair: Dr. Yuying Gosser (仇玉英)

Research Assistant Prof. City College of CUNY

Co-Chair: Prof. Dantong Yu (于丹彤)

New Jersey Institute of Technology

5:30 PM

Social

6:00 PM –

Banquet

9:30 PM

Mr. Chiao-Wei Lee (李僑章) *Master of Ceremony*

Welcome Address

Dr. I-Hsin Chung (鍾一新) *President*

Phoenix
Ballroom

Talent Performance by Scholarship Recipients

Dr. Howard Chen (陳浩) *Committee Chair*

Keynote Speech

Dr. Yuh-Jier Mii (米玉傑)

*Senior Vice President, Research & Development /
Technology Development, TSMC*

“Semiconductor Industry and Innovation
Outlook”

Awards Ceremony

Dr. C. Eric Wu (吳振藩) *Committee Chair*

Distinguished Service Award

Dr. Yuh-Jier Mii (米玉傑)

*Senior Vice President, Research & Development /
Technology Development, TSMC*

Distinguished Achievement Award

Prof. Kang L. Wang (王康隆)

*Dept. of ECE, Physics and Astronomy, and MSE, UCLA
Member of Academia Sinica, Laureate of Industrial
Technology Research Institute, Fellows of Guggenheim,
American Physical Society and IEEE*

Distinguished Achievement Award

Mr. Clement Lin (林茂昌)

Co-Founder & CEO of NEXCOM International Co., LTD

Chinese Institute of Engineers Centennial Medal

Mr. William Yeh (葉振忠)

Founder & CEO of CSI Technology Group

Institute Service Award

Dr. Kun-Lung Wu (吳坤龍)

CIE-USA/GNYC President (2017)

Institute Service Award

Dr. Howard Chen (陳浩)

Program Director, CIE-USA Centennial Convention in 2017

High School Student Scholarship Awards

Alan Chang (張逸文) *Byram Hills High School*

Alison Chen (陳安瑜) *Horace Greeley High School*

Jonathan Fan (范晁璋) *Scarsdale High School*

Andrew Lu (盧奕正) *Yorktown High School*

Steven Mi (米子杰) *East Brunswick High School*

Isabelle Peng (彭慧如) *The Lawrenceville School*

Diane Yang (楊得安) *Yorktown High School*

Raffle Drawing

Hotel Parking:

Parking for CIE guests attending 10/27/2018 event is \$10.

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Registration Web Site

<http://www.cieusa-gnyc.org/2018reg/CIEREG/reg-2018.php>

Registration Fee* (Including Dinner Banquet):

Regular: \$70 (before 10/22/18), \$75.00 (on-site)

Student: \$30 (before 10/22/18), \$35.00 (on-site)

Light lunchbox will be distributed before 12:45 PM (Opening ceremony starts at 1 PM). If you would like to reserve one, please let us know on the registration web site.

*CIE member receive \$20 discount on registration fee. Please contact Cheng-Yi Lin at membership@cieusa-gnyc.org for membership benefit.

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CIE-USA/GNYC President

Dr. I-Hsin Chung (president@cieusa-gnyc.org)

Convention Chair

Dr. Keith Wong (vice-president@cieusa-gnyc.org)

Program Chair

Dr. Monsong Chen (monsongchen@gmail.com)

Secretary

Dr. Ching-Huei Tsou (secretary@cieusa-gnyc.org)

Treasurer

Dr. Chung-Ching Lin (treasurer@cieusa-gnyc.org)

Registration

Dr. Yew-Huey Liu (2018reg@cieusa-gnyc.org)