Prof. Tarek Abdelzaher Urbana, IL, USA

for contributions to cyber-physical systems and real-time computing

Prof. Enrique Acha Tampere, Finland

for contributions to power electronics modelling and applications in electrical power systems

Prof. Deji Akinwande Austin, TX, USA

for contributions to wafer-scale graphene synthesis and application to flexible devices

Dr. Ahmed Ali Greensboro, NC, USA

for leadership in high-speed analog-to-digital converter design and calibration

David Allan Fountain Green, UT, USA

for contributions to timing systems, and precision clocks

Prof. Aaron Ames Pasadena, CA, USA

for contributions to hybrid and safety-critical nonlinear control with demonstration on robotic systems

Prof. Animashree Anandkumar Pasadena, CA, USA

for contributions to theory and applications in signal processing, machine learning, and artificial intelligence

Prof. Gianluca Antonelli Cassino, Italy

for contributions to modeling and control of underwater robot

Dr. Mohammad Nazmul Anwar Pontiac, MI, USA

for contributions to the system-balanced-robust power electronics design methodology for electrified vehicles

Hideaki Aochi Kawasaki, Japan

for contributions to three dimensional flash memories

Prof. Alberto Avolio Sydney, Australia

for contributions to knowledge and monitoring of arterial hemodynamics

Dr. Alireza Bakhshai Kingston, ON, Canada

for contributions to the development of synchronization techniques for power electronics converter

Dr. Rajeev Balasubramonian Salt Lake City, UT, USA

for contributions to in-memory computation and memory interface design

Prof. Timothy Barfoot Toronto, ON, Canada

for contributions to mobile robot navigation

Prof. David Basin Zurich, Switzerland

for contributions to formal methods for information security

Prof. Mehdi Bennis Oulu, Finland

for contributions to resource optimization in heterogeneous and low-latency wireless network

Dr. Achintya Bhowmik Cupertino, CA, USA

for leadership in perceptual augmentation devices

Prof. Wim Bogaerts Gent, Belgium

for contributions to design methodologies for silicon photonics components and circuits

Prof. Peter Burke Irvine, CA, USA

for contributions to active and passive microwave devices

Prof. Danijela Cabric Los Angeles, CA, USA

for contributions to theory and practice of spectrum sensing and cognitive radio systems

Prof. Jianfei Cai Melbourne, VC, Australia

for contributions to multimedia transmission and content analysis

Prof. Benton Calhoun Charlottesville, VA, USA

for contributions to sub-threshold integrated circuits and self-powered systems

Prof. Kirk Cameron Blacksburg, VA, USA

for contributions to measurement and management of energy in high-performance-computing systems

Calin Cascaval Mountain View, CA, USA

for contributions to programming models for parallel machines and heterogeneous mobile devices

Prof. Chan-Byoung Chae Seoul, Korea

for contributions to MIMO design and prototypes for emerging communication systems

Prof. Yogesh Chauhan Kanpur, India

for contributions to compact modeling of Si and GaN transistors

Prof. Min Chen Wuhan, China

for contributions to data-driven communication, caching, and computing

Dr. Jingdong Chen Xi'an, China

for contributions to microphone array processing and speech enhancement in noisy and reverberant environments

Prof. Yaow-Ming Chen Taipei, Taiwan

for contributions to grid-connected power converters for renewable energy applications

Prof. Gene Cheung Toronto, ON, Canada

for contributions to graph spectral image processing and interactive video streaming

Dr. I. Chih-Lin Beijing, China

for leadership in wireless mobile netwo

Prof. Gabriella Cincotti Rome, Italy

for contributions to planar photonic devices and beam diffraction in anisotropic media

Dr. Stefano Coraluppi Woburn, MA, USA

for contributions to multi-sensor multi-target tracking

Prof. Bruce Croft Amherst, MA, USA

for contributions to information retrieval

Prof. Huang De Shuang Shanghai, China

for contributions to neural networks for pattern recognition and bioinformatics

Bronis de Supinski Tracy, CA, USA

for leadership in the design and use of large-scale computing systems

Prof. Filip De Turck Gent, Belgium

for contributions to network resource management and adaptive service delivery

Prof. Domitilla Del Vecchio Cambridge, MA, USA

for contributions to circuit engineering in synthetic biology

Prof. Hilmi Demir Ankara, Turkey

for contributions to semiconductor nanocrystal optoelectronics, colloidal nanophotonics, and lighting

Dr. David Donoho Stanford, CA, USA

for contributions to sparse signal acquisition and processing

Prof. Sebastian Elbaum Charlottesville, VA, USA

for contributions of testing techniques for evolving systems

Prof. Jaafar M.H. Elmirghani Leeds, UK

for contributions to energy-efficient communications

Dr. Issam El-Naqa Ann Arbor, MI, USA

for contributions to machine learning applications in medicine and imaging

Dr. Rudy Emrick Gilbert, AZ, USA

for contributions to the development of millimeter-wave communication systems

Prof. Natalie EnrightJerger Toronto, ON, Canada

for contributions to networks-on-chip for many-core architectures

Prof. Michael Ernst Seattle, WA, USA

for contributions to software analysis, testing, and verification

Dr. Cynthia Finelli Ann Arbor, MI, USA

for leadership and scholarship in engineering education

Prof. Vasilis Fthenakis New York, NY, USA

for contributions to photovoltaics technology

Dr. Evgeniy Gabrilovich Mountain View, CA, USA

for contributions to web information retrieval technology

Dr. Haris Gacanin Antwerp, Belgium

for development of operations and management systems for home broadband networks

Prof. Joao Gama Porto, Portugal

for contributions to mining data streams

Prof. Sharon Gannot Ramat-Gan, Israel

for contributions to acoustical modelling and statistical learning in speech enhancement

Prof. Wenzhong Gao Denver, CO, USA

for contributions to grid integration of wind power and electric vehicle technology

Prof. Jonathan Garibaldi Nottingham, UK

for contributions to computational intelligence techniques in data analysis and decision support

Prof. James Gee Philadelphia, PA, USA

for contributions to medical image processing and analysis

Dr. Hua Geng Beijing, China

for contribution to control of renewable energy power converters

Prof. Lise Getoor Santa Cruz, CA, USA

for contributions to machine learning and reasoning under uncertainty

Prof. Yolanda Gil Los Angeles, CA, USA

for contributions to geoscience and scientific discovery with intelligent workflow systems

Dr. Oriol Gomis Bellmunt Barcelona, Spain

for contributions to grid integration of renewable energy sources

Yifan Gong Redmond, WA, USA

for leadership in creating cloud speech recognition services in industry

Prof. Amit Goyal Buffalo, NY, USA

for contributions to high-temperature superconducting materials

Dr. Deepak Goyal Chandler, AZ, USA

for contributions to fault isolation and failure analysis

Dr. David Gracias Baltimore, MD, USA

for contributions to three-dimensional assembly and origami engineering of nanostructured materials and devices

Dr. Michael Griffin Birmingham, AL, USA

for leadership in space infrastructure and Space Shuttle, International Space Station, Hubble and other missions

Prof. Matthias Grossglauser Lausanne, Switzerland

for contributions to the modeling and analysis of network traffic and data

Prof. Yongpei Guan Gainesville, FL, USA

for contributions to robust and stochastic optimization for power system operations

Dr. Dongning Guo Evanston, IL, USA

for contributions to multi-user detection and estimation theory

Prof. Shuxiang Guo Takamatsu, Japan

for contributions to medical robots for minimally invasive surgery and biomimetic underwater robots

Dr. Amit Gupta Singapore, Singapore

for leadership in power conversion systems

Dr. Ismail Guvenc Raleigh, NC, USA

for contributions to heterogeneous wireless networks and wireless localization

Prof. Wolfgang Heidrich Thuwal, Saudi Arabia

for contributions to high dynamic range display and computational cameras

Prof. Robert Henderson Edinburgh, UK

for contributions to solid-state single photon imaging

Dr. Enrique Herrera-Viedma Granada, Spain

for contributions to fuzzy decision systems and linguistic modeling

Dr. Paul Hershey Arlington, VA, USA

for application of data analytic to assist human decision-making

Stephen Hodges Cambridge, UK

for leadership in pervasive computing systems

Prof. Ayanna Howard Atlanta, GA, USA

for contributions to human-robot interaction systems

Dr. Kaibin Huang Hong Kong, Hong Kong

for contributions to wirelessly powered communications and multi-antenna communications

Prof. Yi Huang Liverpool, UK

for contributions to rectenna technology

Prof. Hideaki Ishii Yokohama, Japan

for contributions to networked control of large-scale systems

Prof. Bruce Jacob College Park, MD, USA

for contributions to computer memory design and analysis

Prof. Bernhard Jakoby Linz, Austria

for contributions to fluidic sensor

Prof. Tara Javidi La Jolla, CA, USA

for contributions to stochastic resource allocation and active hypothesis testing

Prof. Xiuping Jia Kensington, Australia

for contributions to feature mining and classification of hyperspectral images

Dr. Xudong Jiang Singapore, Singapore

for contributions to face and fingerprint image recognition

Prof. Daniel Jimenez College Station, TX, USA

for contributions to neural branch prediction in microprocessor research and design

Dr. Valentin Jordanov Santa Fe, NM, USA

for contributions to real-time digital and analog pulse processing in radiation measurements

Prof. Dragan Jovcic Aberdeen, UK

for contributions to improvements in multi-terminal HVDC transmission grids and development of HVDC transformers

Dr. Inyup Kang San Diego, CA, USA

for leadership in development of chip-set technologies for celluar communications

Stefanos Kaxiras Uppsala, Sweden

for contributions to high-performance and power-efficient memory hierarchies

Kimberly Keeton Palo Alto, CA, USA

for contributions to storage and memory systems

Dr. Ali Keshavarzi Standford, CA, USA

for contributions to low-power circuits and devices in scaled CMOS technologies

Prof. Dennis Killinger Tampa, FL, USA

for contributions to laser spectroscopy

Dr. Byoung-Hoon Kim Seoul, Korea

for contributions to development and standardization of mobile communication technologies

Prof. Chang-Jin Kim Los Angeles, CA, USA

for research of surface-tension-based microelectromechanical systems

Dr. Alan Kleinsasser Pasadena, CA, USA

for contributions to superconducting electronic devices, circuits, and systems

Prof. Craig Knoblock Los Angeles, CA, USA

for contributions to semantic data integration techniques

Nicholas Kolias Waltham, MA, USA

for contributions to the development of Gallium Nitride monolithic microwave integrated circuit technology

Prof. Yakov Krasik Haifa, Israel

for contributions to plasma-based electron sources

Prof. Hadas Kress-Gazit Ithaca, NY, USA

for contributions to automated control synthesis and formal methods for robotics

Lori Lamel Orsay, France

for contributions to automatic speech recognition

Dr. Laurent Larger Franche-Comte, France

for contributions to optoelectronic delay oscillators and neuromorphic processing applications

Prof. Sophie Larochelle Quebec, QC, Canada

for contributions to fiber devices and data transmission technologies

Prof. Francis Lau Kowloon, Hong Kong

for contributions to analysis of chaotic communications systems and low-density parity-check code design

Prof. Svetlana Lazebnik Urbana, IL, USA

for contributions to computer vision

Prof. Kyoung Mu Lee Seoul, Korea

for contributions to image restoration and visual tracking

Prof. Wenke Lee Atlanta, GA, USA

for contributions to machine-learning-based approaches to intrusion and botnet detection

Dr. Wonjun Lee Seoul, Korea

for contributions to multiple access and resource allocation in wireless networks

Prof. Chunming Li Chengdu, China

for contributions to computer vision and medical image analysis

Prof. Houqiang Li Hefei, China

for contributions to video coding and multimedia content analysis

Prof. Jiandong Li Xi'an, China

for leadership in heterogeneous self-organizing wireless networks

Prof. Jun Li Guangzhou, China

for contributions in hyperspectral image processing

Prof. Ninghui Li West Lafayette, IN, USA

for contributions to data privacy and security

Zhao-Liang LI Beijing, China

for contributions to thermal infrared remote sensing

Prof. Xiaofeng Liao Chongqing, China

for contributions to neurodynamic systems and chaotic cryptography

Prof. Honghai Liu Portsmouth, UK

for contributions to theory and applications of human-machine systems

Dr. Shixia Liu Beijing, China

for contributions to visual text analysis and visual model analysis

Prof. Yang Liu Seattle, WA, USA

for contributions to speech understanding and language learning technology

Prof. Vitaliy Lomakin San Diego, CA, USA

for contributions to theoretical and computational electromagnetics

Prof. Jose Lozano Leioa, Spain

for contributions to the estimation of distribution algorithms in evolutionary computation

Prof. Bao-Liang Lu Shanghai, China

for contributions to artificial neural networks and affective brain-computer interfaces

Dr. Daoqiang Lu Shanghai, China

for development of materials and manufacturing processes for mobile devices

Dr. Le Lu Bethesda, MD, USA

for contributions to machine learning for cancer detection and diagnosis

Dr. Ning Lu Raleigh, NC, USA

for contributions to load modeling and control methods for providing demand side grid services

Dr. Rongxing Lu Fredericton, NB, Canada

for contributions to security and privacy in vehicular communications

Dr. Yung-Hsiang Lu West Lafayette, IN, USA

for contributions to energy efficiency of computer systems

Prof. Zhengyu Lu Zhejiang, China

for contributions to DC-DC power conversion and control

Dr. Huadong Ma Beijing, China

for contributions to multimedia sensor networks

Prof. Roya Maboudian Berkeley, CA, USA

for contributions to surface coatings and structural materials for microelectromechanical systems

Gourab Majumdar Fukuoka, Japan

for contribution to power semiconductor devices and intelligent power module

Prof. Stephane Mangin Lorraine, France

for contributions to ultrafast magnetisation manipulation

Dr. Milos Manic Richmond, VA, USA

for contributions to machine learning based cybersecurity for critical infrastructures

Prof. Athina Markopoulou Irvine, CA, USA

for contributions to network coding systems and network measurement

Prof. Dejan Markovic Los Angeles, CA, USA

for contributions to low-power VLSI signal processing and neurotechnology

Prof. Jose Martinez Ithaca, NY, USA

for contributions to adaptable multiprocessor computer architectures

Dr. Dmitri Maslov Yorktown Heights, NY, USA

for contributions to quantum circuit synthesis and optimization, and compiling for quantum computers

Prof. David Matolak Columbia, SC, USA

for contributions to wireless channel modeling and applications

Dr. Andrey Matsko Pasadena, CA, USA

for contributions to the development of microwave photonic oscillators

Prof. Giovanni Mazzanti Bologna, Italy

for contributions to high voltage direct current cable systems

Prof. Matthew Mckay Kowloon, Hong Kong

for contributions to random matrix theory in statistical signal processing

Prof. Sharad Mehrotra Irvine, CA, USA

for contributions to the fields of data management and multimedia information retrieval

Prof. Marco Mellia Torino, Italy

for contributions to Internet traffic analysis

Prof. Prabhat Mishra Gainesville, FL, USA

for contributions to system-on-chip validation and design automation of embedded systems

Prof. Yasser Mohamed Edmonton, AB, Canada

for contributions to the control and dynamic analysis of microgrids and power electronic systems

Prof. Roberto Morandotti Montreal, QC, Canada

for contributions to integrated nonlinear and quantum optics

Dr. Jose Moreira Yorktown Heights, NY, USA

for advances in high performance computing systems software and processor design

Dr. Itsuro Morita Fujimino, Japan

for contributions to large-capacity transmissions systems with high-speed optical signals

Dr. Katherine Morse Segundo, CA, USA

for contributions to standardization of simulation technologies

Prof. Andreas Moshovos Toronto, ON, Canada

for contributions to out-of-order processor microarchitecture and multiprocessor memory systems

Dr. Bhyrav Mutnury Austin, TX, USA

for contributions to signal integrity in complex data center systems

Nachiappan Nagappan Redmond, WA, USA

for contributions to software reliability

Dr. Tomohiro Nakatani Kyoto, Japan

for contributions to far-field signal processing for speech enhancement and recognition

Dr. Omkaram Nalamasu Santa Clara, CA, USA

for contributions to patterning solutions and advancing materials engineering for electronics, display, and energy

Dr. Chandra Namuduri Warren, MI, USA

for contributions to power electronics for safe and energy efficient electric vehicles

Prof. Jose Neira Zaragoza, Spain

for contributions to simultaneous localization and mapping (SLAM) for robot navigation

Prof. Wing Kwan Ng Sydney, Australia

for contributions to resource allocation for wireless communication networks

Prof. Johan Nuyts Leuven, Belgium

for contributions to theory and algorithms for image reconstruction in emission and transmission tomography

Prof. Salah Obayya Giza, Egypt

for contributions to computational photonics

Prof. Roberto Oboe Padova, Italy

for contributions to remote motion control systems

Dr. Jun Ohta Ikomo, Japan

for contributions to CMOS image sensors and devices for biomedical applications

Prof. Alessandro Orso Atlanta, GA, USA

for contributions to software testing and debugging

Dr. John Owens Davis, CA, USA

for contributions to heterogeneous parallel computing

Prof. Asuman Ozdaglar Cambridge, MA, USA

for contributions to distributed multi-agent networks

Prof. Sanjib Panda Singapore, Singapore

for contributions to iterative learning control of motor drives

Prof. Ai-Chun Pang Taipei, Taiwan

for contributions to resource management and service provisioning for mobile edge networks

Prof. Leila Parsa Los Angeles, CA, USA

for contributions to control of multi-phase permanent magnet electrical drives

Gurudatta Parulkar Menlo Park, CA, USA

for contributions to improving the architecture of the internet and software defined networking

Dr. Hanchuan Peng Nanjing, China

for contributions to visualization and quantitative analysis of large-scale biological data

Dr. Pietro Perona Pasadena, CA, USA

for contributions to visual recognition algorithms and datasets

Prof. Chiara Petrioli Roma, Italy

for contributions to wireless and underwater networks

Dr. Jeffrey Piepmeier Greenbelt, MD, USA

for contributions to microwave radiometry to improve calibration, radio frequency interference filtering, and polarimetry

Dr. Gianluigi Pillonetto Padova, Italy

for contributions to kernel-based linear system identification

Prof. Dario Pompili Piscataway, NJ, USA

for contributions to underwater acoustic communication networks

Prof. Sandeep Pradhan Ann Arbor, MI, USA

for contributions to coding for distributed compression and structured coding

Prof. Chunjiang Qian San Antonio, TX, USA

for contributions to control and estimation of nonlinear systems

Prof. Gang Qu Los Angeles, CA, USA

for contributions to hardware intellectual property protection and security

Prof. Daniel Quevedo Queensland, Australia

for contributions to optimal and model predictive control

Prof. Louiqa Raschid College Park, MD, USA

for contributions to data management, information integration and data mining

Dr. Akshay Rathore Montreal, QC, Canada

for contributions to the design and advancement of power electronics for drives and automotive industries

Dr. Martin Reddy San Francisco, CA, USA

for contributions to conversational artificial intelligence

Dr. Gamal Refai-Ahmed Santa Clara, CA, USA

for leadership in thermal management of electronics product development

Bryan Root Burnsville, MN, USA

for leadership in improving semiconductor reliability test methods

Prof. Grigore Rosu Urbana, IL, USA

for contributions to runtime verification and programming language semantics

Dr. Claude Samson Sophia Antipolis, France

for contributions to mobile and underactuated mechanical systems control

Prof. Paul Sanberg Tampa, FL, USA

for contributions to stem cell therapies for neurodegenerative conditions

Ruhi Sarikaya Seattle, WA, USA

for leadership in spoken-language-processing and conversational understanding systems

Prof. Jacquelien Scherpen Groningen, Netherlands

for contributions to nonlinear model reduction and passivity-based control

Prof. Dieter Schmalstieg Graz, Austria

for contributions to augmented reality

Dr. Julia Schnabel London, UK

for contributions to medical image computing

Dr. Eve Schooler Portola Valley, CA, USA

for contributions to multimedia protocols and internet standards

Prof. Gesualdo Scutari West Lafayette, IN, USA

for contributions to distributed optimization in signal processing and communications

Dr. Kalyan Sen Monroeville, PA, USA

for the development and application of power flow control technology

Prof. Ashwin Seshia Cambridge, UK

for contributions to resonant-based inertial and mode-localized sensors

Prof. Ling Shao Abu Dhabi, United Arab Emirates

for contributions to computer vision and representation learning

Prof. Jinhua She Hachioji, Japan

for contributions to intelligent control of complex metallurgical processes

Prof. Alla Sheffer Vancouver, BC, Canada

for contributions to mesh parameterization and hexahedral meshing

Prof. Guangming Shi Xi An, China

for contributions to image representation and image reconstruction

Prof. Hyundong Shin Yongin-si, Korea

for contributions to the analysis and design of wireless communication and networking

Prof. Robert Shin Cambridge, MA, USA

for leadership in electromagnetic modeling of radar systems and in micorwave remote sensing

Prof. Richa Singh New Delhi, India

for contributions to robust and secure biometrics

Prof. Saurabh Sinha Johannesburg, South Africa

for leading micro/nanoelectronics research and education in Africa

Prof. Bruno Sinopoli Saint Louis, MO, USA

for contributions to networked and secure control systems

Prof. Ramteen Sioshansi Columbus, OH, USA

for contributions to energy storage in electric power systems

Prof. Poul Sorensen Kongens Lyngby, Denmark

for contributions to wind power converter control and grid integration

Prof. Suresh Srivastava Kanpur, India

for contributions to power system security and stability

Prof. Erik Strom Gothenburg, Sweden

for contributions to reliable low latency communications and synchronization of code-division systems

Prof. Tetsuya Suemitsu Sendai, Japan

for contributions to high-frequency high-electron-mobility transistors

Jasjit Suri Roseville, CA, USA

for contributions to computer-aided biomedical imaging diagnosis and its commercialization in atherosclerosis

Prof. Hiralal Suryawanshi Nagpur, India

for contributions to converters for renewable energy systems, drives, and electrical machines

Prof. Willy Susilo Wollongong, Australia

for contributions to cloud computing security

Mahesh Swamy Waukegan, IL, USA

for development of power electronics topologies

Prof. Mehdi Tahoori Karlsruhe, Germany

for contributions to resilient nanoscale integrated circuits

Dr. Shinzo Tamai Kobe, Japan

for contributions to control for motor drives and three-level converters

Dr. Jie Tang Beijing, China

for contributions to knowledge discovery from data and social network mining

Prof. Nelson Tansu Bethlehem, PA, USA

for contributions to semiconductor photonics technologies

Prof. Luciano Tarricone Lecce, Italy

for contributions to microwave interactions with living systems and biomedical applications

Dr. Ivan Tashev Redmond, WA, USA

for contributions to audio signal processing systems and algorithms for commercial microphone arrays

Prof. Stephan Ten Brink Stuttgart, Germany

for contributions to iterative detection and decoding

Prof. My Thai Gainesville, FL, USA

for contributions to modeling, design, and optimization of networked systems

Prof. Thomas Thundat Buffalo, NY, USA

for contributions to multi-modal microelectromechanical systems for chemical and biological sensors

Dr. Edward Tiedemann San Diego, CA, USA

for innovation and standardization of digital cellular communications

Prof. Mi-Ching Tsai Tainan, Taiwan

for leadership in magnetic materials for the electric motor industry

Prof. Vincent Tseng Hsinchu, Taiwan

for contributions to utility pattern mining and biomedical applications

Dr. Takatoshi Tsujimura Tokyo, Japan

for contributions to the development of organic-light-emitting diode systems

Prof. Daniela Tuninetti Chicago, IL, USA

for contributions to theory of repetition protocols and wireless interference management

Prof. Mohammad Uddin Barrie, ON, Canada

for contributions to control techniques for AC motor drives

Prof. Wolfgang Utschick München, Germany

for contributions to signal processing algorithms for multi-antenna communications systems

Prof. Jaideep Vaidya Newark, NJ, USA

for contributions to privacy protection in data analytics and access control management

Dr. Nathan Van De Wouw Eindhoven, Netherlands

for contributions to hybrid, data-based and networked control

Prof. Wil Van der Aalst Achen, Germany

for contributions to process mining and workflow processes

Dr. Rath Vannithamby Seattle,WA, USA

for contributions to resource allocation for cellular and internet of things technologies

Dr. Sergio Vazquez Seville, Spain

for contributions to control techniques for power converters and drives

Dr. Ganesh Venayagamoorthy Clemson, SC, USA

for contributions to the application of artificial intelligence to power systems

Dr. Luisa Verdoliva Naples, Italy

for contribution to multimedia forensics

Dr. Tuomas Virtanen Tampere, Finland

for contributions to sound event detection and source separation

Prof. Joel Voldman Cambridge, MA, USA

for contributions to electronic microscale manipulation of cells

Prof. Pascal Vontobel Shatin N.T., Hong Kong

for contributions to graphical models for channel coding

Prof. Michael Wakin Golden, CO, USA

for contributions to sparsity-based signal processing and compressive sensing

Dr. Cong Wang Hong Kong, Hong Kong

for contributions to security of cloud storage and computation

Prof. Danwei Wang Singapore, Singapore

for contributions to modelling, analysis, and control for constrained robots

Dr. Hanyang Wang Jays Close Basingstoke, UK

for contributions to mobile terminal antennas

Prof. Hong Wang Xi'an, China

for development, integration, and commercialization of novel dielectric ceramics and composites for passive integration

Prof. Honggang Wang Dartmouth, MA, USA

for contributions to low power wireless for IoT and multimedia applications

Prof. Jianhui Wang Dallas, TX, USA

for contributions to unit commitment and economic dispatch with renewable generation

Prof. Jianqing Wang Nagoya, Japan

for contributions to electro-magnetic compatibility of biological and wearable/implant devices

Dr. Jin Wang Columbus, OH, USA

for development of high density power converters and their use in electric cars

Dr. Lizhe Wang Wuhan, China

for contributions to high performance computing in processing, analysis and applications of remote sensing imagery

Dr. Meng Wang Hefei, China

for contributions to multimedia content analysis and retrieval

Prof. Xiaorui Wang Columbus, OH, USA

for contributions to power management of data center servers and embedded systems

Prof. Yingxu Wang Calgary, AB, Canada

for contributions to real-time autonomous systems

Prof. Zhaocheng Wang Beijing, China

for contributions to pilot design and modulation of OFDM wireless systems

Prof. Zhongdong Wang Manchester, UK

for contributions to insulating liquids and frequency response analysis methods for power transformers

Prof. Paul Weiss Los Angeles, CA, USA

for contributions to nanoscience and specifically electronic transport in molecular systems

Prof. Fushuan Wen Yuquan, China

for contributions to fault diagnosis in power grids

Prof. Geyi Wen Nanjing, China

for contributions to antenna quality factor

Prof. Patrick Wheeler Nottingham, UK

for contributions to matrix power converter technology

Dr. Mingzhong Wu Fort Collins, CO, USA

for contributions to spintronics and magnetization

Prof. Wenchuan Wu Beijing, China

for contributions to energy management, operations, and control

Dr. Yifeng Wu Goleta, CA, USA

for contributions to Gallium Nitride microwave and power conversion devices

Dr. Chongjin Xie San Mateo, CA, USA

for contributions to optical transmission and datacenter optical networking

Prof. Zheng Xu Zhejiang, China

for contributions to control and modeling of modular multilevel converter based HVDC transmission systems

Dr. Dong Xuan Columbus, OH, USA

for contributions to connected coverage in wireless networks

Dr. Yongyi Yang Chicago, IL, USA

for contributions to medical image recovery and analysis

Prof. Birsen Yazici Troy, NY, USA

for contributions to synthetic aperture radar and passive imaging

Prof. Zhinong Ying Lund, Sweden

for contributions to mobile terminal antenna technology

Dr. Dana Yoerger Woods Hole, MA, USA

for development of autonomous underwater vehicles for deep ocean exploration and science

Dr. Jingyi Yu Shanghai, China

for contributions to theoretical analysis, algorithms and systems for computational photography and computer vision

Prof. Junzhi Yu Beijing, China

for contributions to bio-inspired swimming robots

Dr. Junsong Yuan Buffalo, NY, USA

for contributions to human behavior understanding and video analytics

Dr. Shinji Yuasa Tsukuba, Japan

for contributions to MgO-based magnetic tunnel junctions

Prof. Dong Yue Nanjing, China

for contributions to network-based control and its applications to power systems

Dr. Chau Yuen Singapore, Singapore

for contributions to energy efficient wireless communications

Prof. Firuz Zare Queensland, Australia

for contribution to power converters and leadership role in standardization

Dr. Hamidreza Zareipour Calgary, AB, Canada

for contributions to the modeling of energy storage for system operation and planning

Prof. Hongke Zhang Beijing, China

for contributions to high-speed railway communications

Lintao Zhang Beijing, China

for contributions to computer-aided verification with efficient Boolean satisfiability solvers

Dr. Shujun Zhang Wollongong, Australia

for contributions to the development of advanced piezoelectrics for transducers

Prof. Xiaoping Zhang Toronto, ON, Canada

for contributions to signal processing in finance

Dr. Gan Zheng Loughborough, UK

for contributions to optimization and design of multiuser multi-antenna communications

Dr. Yu Zheng Beijing, China

for contributions to spatio-temporal data mining and urban computing

Prof. Jizhong Zhu Guangzhou, China

for application of optimization methods for real-time economic power system operation

Prof. XiaoXiang Zhu Munich, Germany

for contributions to artificial intelligence and data science in Earth observation and global urban mapping

Thomas Zimmermann Redmond, WA, USA

for contributions to data science in software engineering research, and practice