

The 52 members of the IEEE Fellow Committee are all IEEE Fellows representing the 10 IEEE Regions, 46 IEEE Societies/Technical Councils and various affiliations.

The IEEE Fellow Committee is responsible for making recommendations to the IEEE Board of Directors for nominees to be elevated to the grade of Fellow.

## **IEEE Fellow Committee Members**

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The 2018 Fellow Committee Members

### **Chair:**

**Stefano Galli**

2012

for contributions to theory, practice, and standardization of power line communication networks

### **Vice Chair:**

**Tariq Samad**

2005

for leadership in industrial applications of intelligent control systems

### **Members:**

**David Allstot** (Life Fellow)

1992

for contributions to the analysis and design of switched-capacitor and analog integrated circuit

**Nirwan Ansari**

2009

for contributions to broadband networks and communications

**David Bader**

2010

for contributions to parallel algorithms for combinatorial problems and computational biology

**Supriyo Bandyopadhyay**

2005

for contributions to device applications of nanostructures

**Piero Bonissone** (Life Fellow)

2004

for leadership in the development of artificial and computational intelligence technologies and their applications to real-world problems

**Gerard Capolino**

2002

for contributions to modeling, simulation, and control techniques applied to power electronics and electrical drive

**Babu Chalamala**

2014

for contributions to the development of advanced materials and device technologies for vacuum microelectronics and field emission displays

**Djalma Falcao** (Life Fellow)

2004

for contributions to power system engineering education

**Bijoy Ghosh**

2000

for fundamental contributions to systems theory with applications to robust control, vision and multisensor fusion

**Jay Giri** (Life Fellow)

2002

for contributions to the design and implementation of power system control centers

**Maria Greco**

2011

for contributions to non-Gaussian radar clutter modeling and signal processing algorithms

**Abdelsalam Sumi Helal**

2015

for contributions to pervasive and mobile computing systems

**Hideto Hidaka**

2017

for leadership in high-density memory technologies for automotive applications

**Joseph Hughes**

2007

for contributions to engineering education program development, assessment, and accreditation activities

**Hamid Jafarkhani**

2006

for contributions to space-time coding

**Pooi-Yuen Kam**

2010

for contributions to receiver design and performance analysis for wireless communications

**Mark Karol**

1993

for contributions to the theory, design, and analysis of high-performance packet switches and multiuser lightwave communication networks

**Ashfaq Khokhar**

2009

for contributions to multimedia computing and database systems

**James Knighten (Life Fellow)**

2009

for contributions to understanding electromagnetic noise coupling paths for product compliance with regulatory standards

**Sy-Yen Kuo**

2001

for contributions to dependable computing and software reliability engineering

**Hideo Kuwahara (Life Fellow)**

2006

for contributions to high capacity optical fiber communication technologies

**Jae Hong Lee**

2011

for contributions to high-speed wireless communication systems

**Wei-Jen Lee**

2007

for contributions to engineering education and power system analysis

**Yong Lian (Peter)**

2009

for contributions to the design of low-power high-performance digital filters

**Leda Lunardi**

2002

for contributions to the development of high-performance 1.55 um monolithically integrated photoreceiver for optical communication

**Vahid Madani**

2008

for leadership in power system protection, control for wide-area systems, and modular protection automation

**Diana Marculescu**

2015

for contributions to design and optimization of energy-aware computing systems

**Subhasish Mitra**

2013

for contributions to design and test of robust integrated circuits

**John Norgard** (Life Fellow)

1990

for the application of infrared thermography to the measurement of electromagnetic field

**Dalma Novak**

2007

for contributions to enabling technologies for the implementation of fiber radio systems

**Douglas O'Shaughnessy**

2006

for contributions to education in speech processing and communication

**Erdal Panayirci** (Life Fellow)

2003

for contributions to carrier symbol synchronization and channel estimation in digital communications

**Sundaram Ramesh**

2015

for contributions to entrepreneurship in engineering education

**Nalini Ratha**

2007

for contributions to biometric authentication systems

**Hikmet Sari**

1995

for contributions to advanced signal processing in digital microwave radio system

**Tapan Sarkar** (Life Fellow)

1992

for contributions to iterative solutions of numerical models in electromagnetic theory

**Donatella Sciuto**

2011

for contributions to embedded system design

**Gianluca Setti**

2006

for contributions to application of nonlinear dynamics to communications, signal processing, and information technology

**Joseph E. Silva**

2010

for contributions to Complimentary Metal-Oxide Semiconductor transconductance amplifiers and continuous-time filters

**Morris Sloman**

2011

for contributions to adaptive policy based management of distributed and pervasive systems

**Akihiko Sugiyama**

2011

for contributions to speech and audio signal processing

**Joos Vandewalle (Life Fellow)**

1992

for contributions to the mathematics of nonlinear circuits and systems

**Bo Wahlberg**

2007

for contributions to system identification using orthonormal basis functions

**Albert Wang**

2009

for contributions to design-for-reliability and system-on-chip

**Peter Willett**

2003

for contributions to detection, target tracking, and signal processing

**Gary Yen**

2009

for contribution to intelligent systems and control

**Aylin Yener**

2015

for contributions to wireless communication theory and wireless information security

**Daniel Yeung**

2004

for contributions to sensitivity analysis of neural networks and fuzzy expert systems

**Junku Yuh**

2005

for contributions to autonomous underwater robots

**Yuan-Fang Zheng (Life Fellow)**

1997

for contributions to the development of mechanisms for coordination of multiple robots and manipulators

**Alternates:**

**Kazuhiro Kosuge**

**Jinhu Lu**

**Anthony Maciejewski**

**Bruce Strauss**

**Earl Swartzlander**