

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 2019 Fellow Committee Members

### **Chair:**

**Stefano Galli**

2012

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

### **Vice Chair:**

**Leda Lunardi**

2002

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

### **Members:**

**Pamela Ann Abshire**

2018

for contributions to CMOS biosensors

**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

**Alessandro Astolfi**

2009

for contributions to nonlinear control theory and its applications to mechanical, electromechanical and power systems

**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

**Kent Choquette**

2003

for contributions to the development of semiconductor vertical cavity surface emitting laser diodes

**Mariesa Crow**

2010

for contributions to power engineering education and to computational methods for power system analysis

**Serge Demidenko**

2004

for contributions to electronic testing

**Ferial El-Hawary (Life Fellow)**

1999

for contributions to application of digital system concepts to underwater dynamic motion estimation and marine seismic methods

**Ali Emadi**

2013

for contributions to electric power conversion and control for electric and hybrid vehicles

**William Emery (Life Fellow)**

2003

for contributions to satellite remote sensing

**Prasad Enjeti**

2000

for contributions to solutions of utility interface problems in power electronic systems and harmonic mitigation

**Pablo Estevez**

2017

for contributions to feature selection and visualization of large data sets

**Djalma Falcao** (Life Fellow)

2004

for contributions to power system engineering education

**Lawrence Hall**

2003

for contributions to the theory and practice of fuzzy pattern recognition

**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

**David Jiles** (Life Fellow)

2012

for contributions to the understanding and application of hysteresis effects in magnetic materials

**Innocent Kamwa**

2005

for contributions to the identification of synchronous generator models and innovations in power grid control

**Mark Karol**

1993

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

**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

**Wei-Jen Lee**

2007

for contributions to engineering education and power system analysis

**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

**Bozenna Pasik-Duncan (Life Fellow)**

2001

for contributions to identification and stochastic adaptive control

**Louie Powell (Life Fellow)**

1995

for leadership in the development of protective principles as applied to electric power systems

**Nalini Ratha**

2007

for contributions to biometric authentication systems

**Sachin Sapatnekar**

2003

for contributions to the optimization of timing and layout in VLSI circuits

**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

**Adam Skorek**

2009

for contributions to electro-thermal analysis of industrial processes

**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

**Xianbin Wang**

2017

for contributions to OFDM systems and distributed transmission technologies

**Peter Willett**

2003

for contributions to detection, target tracking, and signal processing

**Philip Winston (Life Fellow)**

2018

for development of standards in power system protection reliability

**Min Wu**

2011

for contributions to multimedia security and forensics

**Aylin Yener**

2015

for contributions to wireless communication theory and wireless information security

**Daniel Zeng**

2016

for contributions to collaborative computing with applications to security informatics

**Weihua Zhuang**

2008

for contributions to mobile communications and networks

**Alternates:**

Anuradha Annaswamy

David Bader

Supriyo Bandyopadhyay

Fil Bartoli

Miwako Doi

Bijoy Ghosh

Abbas Jamalipour

Pooi-Yuen Kam

Ashfaq Khokhar

Jae Hong Lee

Gabriele Manganaro

Chonggang Wang

Gary Yen