

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 2017 Fellow Committee Members

### **Chair:**

**Amy Reibman**

2005

for contributions to the transport of video over networks

### **Vice Chair:**

**Stefano Galli**

2012

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

### **Members:**

**Anuradha Annaswamy**

2002

for contributions to adaptive control theory, neural networks, and active-adaptive control of combustion systems

**Nirwan Ansari**

2009

for contributions to broadband networks and communications

**David Bader**

2010

for contributions to parallel algorithms for combinatorial problems and computational biology

**John Baillieul (Life Fellow)**

1993

for contributions to nonlinear control theory, robotics, and control of complex mechanical systems

**Supriyo Bandyopadhyay**

2005

for contributions to device applications of nanostructures

**Fil Bartoli**

2005

for leadership in optoelectronic materials and devices

**Miroslav Begovic**

2004

for leadership in developing analysis tools and protection techniques for electric power transmission systems and renewable generation

**Piero Bonissone (Life Fellow)**

2004

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

**Bill D. Carroll (Life Fellow)**

1989

for contributions leading to the development of the theory for generalized test functions for combinatorial circuit

**Christos Cassandras**

1996

for contributions to discrete event systems and perturbation analysis and their applications

**Babu Chalamala**

2014

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

**George Chrisikos**

2009

for contributions to the simulation and design of communication systems

**Cor Claeys**

2009

for contributions to semiconductor device physics, defect engineering, and low frequency noise characterization

**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

**Miwako Doi**

2011

for contributions to the human interface of document processing

**Stephen Dukes**

2002

for leadership in evolving cable television industry architecture, technology and standards for rapidly developing digital two-way communications systems

**Djalma Falcao (Life Fellow)**

2004

for contributions to power system engineering education

**Jay Farrell**

2008

for contributions to intelligent, autonomous vehicle analysis and design

**Bijoy Ghosh**

2000

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

**Maria Greco**

2011

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

**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

**Mostafa Kaveh (Life Fellow)**

1988

for contributions to diffraction tomography and to the signal processing aspects of that imaging technique

**Ashfaq Khokhar**

2009

for contributions to multimedia computing and database systems

**V. Prasad Kodali (Life Fellow)**

1980

for leadership in the planning of radar development

**Kazuo Kyuma**

1997

for contributions to optical information processing including optical neuro-chip and artificial retina chips

**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

**Geoffrey Ye Li**

2006

for contributions to signal processing for wireless communications

**Yong Lian**

2009

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

**Ming Lin**

2012

for contributions to real-time physics-based interaction and simulation for virtual environments, robotics and haptics

**Leda Lunardi**

2002

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

**Om Malik (Life Fellow)**

1987

for contributions to real-time digital control and protection of synchronous machine

**Franco Maloberti (Life Fellow)**

1996

for contributions to design methodologies for analog integrated circuits and outstanding leadership in microelectronics education and research

**Diana Marculescu**

2015

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

**Carmen Menoni**

2010

for contributions to nano-scale imaging with ultraviolet lasers, and semiconductor optical materials and devices

**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

**Marios Polycarpou**

2006

for contributions to the theory and application of intelligent systems and control

**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

**Adam Skorek**

2009

for contributions to electro-thermal analysis of industrial processes

**Robert Staszewski**

2009

for contributions to development of digital radio frequency integrated systems

**Ljiljana Trajkovic (Life Fellow)**

2005

for contributions to computer aided design tools for circuit analysis

**Leung Tsang (Life Fellow)**

1990

for contributions to wave propagation in discrete random media and the theory of microwave remote sensing

**Bo Wahlberg**

2007

for contributions to system identification using orthonormal basis functions

**Daniel Yeung**

2004

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

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

1997

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

**Alternates:**