

# IEEE Fellows Directory IEEE Education Society

1.

[Ackley, R](#)

[R1 -Northeastern USA](#)

[2003](#)

Technical Leader

For technology leadership for advanced radar systems.

2.

[Akiyama, Hidenori](#)

[R10 -Asia and Pacific](#)

[2000](#)

For contributions to the development of pulsed power technology and its industrial applications.

3.

[Al Haddad, Kamal](#)

[R7 -Canada](#)

[2007](#)

Research Engineer/Scientist

For contributions to research and development of power electronics converters

4.

[Alam, Mohammad](#)

[R3 -Southeastern USA](#)

[2014](#)

Research Engineer/Scientist

For contributions to pattern recognition and high resolution image reconstruction

5.

[Alexander, Charles](#)

[R2 -Eastern USA](#)

[1994](#)

For leadership in the field of engineering education and the professional development of engineering students.

6.

[Allen, Phillip](#)

[R3 -Southeastern USA](#)

[1992](#)

For contributions to electrical engineering education and microelectronics textbooks.

7.

[Anderson, Robert](#)

[R4 -Central USA](#)

[1993](#)

For contributions to the continuing education of engineers and other professionals.

8.

[Ang, Simon](#)

[R5 -Southwestern USA](#)

[2011](#)

Educator

For contributions to education power electronics and microelectronics in packaging education

9.

[Armstrong, Jean](#)

[R10 -Asia and Pacific](#)

[2015](#)

Research Engineer/Scientist

For contributions to the theory and application of orthogonal frequency division multiplexing in wireless and optical communications

10.

[Aydin, Kultegin](#)

[R2 -Eastern USA](#)

[2006](#)

Research Engineer/Scientist

For contributions to electromagnetic scattering and quantitative estimation in storms and clouds.

11. [Babic, Hrvoje](#)

[R8 -Europe, MEast, Africa](#)

[2002](#)

For contributions to engineering education and research in analog and digital signal processing.

12.

[Balanis, Constantine](#)

[R6 -Western USA](#)

[1986](#)

For contributions to electromagnetic education, geometrical theory of diffraction, and electromagnetic geotomography.

13.

[Barbi, Ivo](#)

[R9 -Latin America](#)

[2011](#)

Educator

For contributions to soft switching converter technology

14.

[Barnes, Frank](#)

[R5 -Southwestern USA](#)

[1970](#)

For leadership in engineering education, and for outstanding contributions to laser technology and the design of xenon-krypton flashlamps

15.

[Batarseh, Issa](#)

[R3 -Southeastern USA](#)

[2006](#)

Research Engineer/Scientist

For contributions to dc-dc conversion techniques, power factor correction circuits, and power electronics education.

16.

[Batchman, T](#)

[R3 -Southeastern USA](#)

[2002](#)

For contributions to optical engineering education and educational leadership.

17.

[Belecki, Norman](#)

[R2 -Eastern USA](#)

[1999](#)

For technical leadership in improving electrical calibration standards in the dc and low frequency areas.

18.

[Bennett, A Wayne](#)

[R3 -Southeastern USA](#)

[1993](#)

For contributions to electrical engineering education and system simulation.

19.

[Bernhard, Jennifer](#)

[R4 -Central USA](#)

[2010](#)

Research Engineer/Scientist

For development of multifunctional, reconfigurable, and integrated antennas

20.

[Bertnolli, E](#)

[R5 -Southwestern USA](#)

[1993](#)

For leadership, planning, and management of technical organizations and education programs.

21.

[Biswas, Gautam](#)

[R3 -Southeastern USA](#)

[2014](#)

Research Engineer/Scientist

For contributions to the modeling and simulation, diagnosis, and fault-adaptive control of complex dynamic systems

22.

[Booske, John](#)

[R4 -Central USA](#)

[2008](#)

Research Engineer/Scientist

For contributions to vacuum electronics and microwave processing of materials

23.

[Bose, Anjan](#)

[R6 -Western USA](#)

[1989](#)

For contributions to real-time power system analyses.

24.

[Bostian, Charles](#)

[R3 -Southeastern USA](#)

[1992](#)

For contributions to and leadership in the understanding of satellite path radio wave propagation.

25.

[Bredeson, Jon](#)

[R5 -Southwestern USA](#)

[1988](#)

For contributions to switching theory and error-correcting codes.

26.

[Brown, William](#)

[R5 -Southwestern USA](#)

[2005](#)

Educator

For leadership in furthering education of high density electronics.

27.

[Brown, Richard](#)

[R6 -Western USA](#)

[2014](#)

Research Engineer/Scientist

For contributions to microsystem design

28.

[Buckler, Michael](#)

[R3 -Southeastern USA](#)

[2004](#)

Technical Leader

For contributions to optical communications technology and engineering education.

29.

[Burrus, C S](#)

[R5 -Southwestern USA](#)

[1981](#)

For contributions to signal processing and electrical engineering education.

30.

[Cain, J. T.](#)

[R2 -Eastern USA](#)

[1993](#)

31.

[Carneiro, Sandoval](#)

[R9 -Latin America](#)

[2010](#)

Technical Leader

For leadership in power systems research and engineering education

32.

[Carroll, Bill D](#)

[R5 -Southwestern USA](#)

[1989](#)

For contributions leading to the development of the theory for generalized test functions for combinatorial circuits.

33.

[Castro, Manuel](#)

[R8 -Europe, MEast, Africa](#)

[2008](#)

Educator

For contributions to distance learning in electrical and computer engineering education

34.

[Chiang, Mung](#)

[R1 -Northeastern USA](#)

[2012](#)

Research Engineer/Scientist

For contributions to optimization of communication networks and applications to wireless networks, broadband access, and the internet

35.

[Chirlan, P](#)

[R1 -Northeastern USA](#)

[1979](#)

For contributions to engineering education through the writing of innovative engineering textbooks.

36.

[Clements, Alan](#)

[R8 -Europe, MEast, Africa](#)

[2009](#)

Educator

For contributions to computer science education

37.

[Conner, David](#)

[R3 -Southeastern USA](#)

[1995](#)

For leadership in the integration of engineering design education into the electrical engineering curriculum.

38.

[Connor, Kenneth](#)

[R1 -Northeastern USA](#)

[1998](#)

For contributions to the development of particle beam probing for nuclear fusion research.

39.

[Conry, Susan](#)

[R1 -Northeastern USA](#)

[2006](#)

Educator

For contributions to engineering education.

40.

[Crouch, Peter](#)

[R6 -Western USA](#)

[1996](#)

41.

[Crow, Mariesa](#)

[R5 -Southwestern USA](#)

[2010](#)

Educator

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

42.

[Cruz, Jose](#)

[R10 -Asia and Pacific](#)

[1968](#)

For significant contributions in circuit theory and the sensitivity analysis of control systems

43.

[Daniels, Patricia](#)

[R6 -Western USA](#)

[1997](#)

For contributions to engineering education.

44.

[Demerdash, Nabeel](#)

[R4 -Central USA](#)

[1990](#)

For contributions to the application of finite element analysis to electrical machine design.

45.

[Director, Stephen](#)

[R1 -Northeastern USA](#)

[1978](#)

For pioneering work in computer-aided circuit design and for contributions to engineering education.

46.

[Dutta Roy, Suhash](#)

[R10 -Asia and Pacific](#)

[1995](#)

For contributions to research in digital and analog signal processing

47.

[Eisenstein, Bruce](#)

[R2 -Eastern USA](#)

[1986](#)

For contributions to signal processing.

48.

[Elserafi, Ahmed](#)

[R7 -Canada](#)

[1994](#)

For contributions to the understanding of the cross-magnetizing effect in synchronous machines.

49.

[Emanuel, Alexander](#)

[R1 -Northeastern USA](#)

[1997](#)

For advances in the theory of power quality, real-time measurement, and effects of power system harmonic distortion.

50.

[Engel, Gerald](#)

[R1 -Northeastern USA](#)

[2003](#)

Educator

For contributions to computer science and engineering education.

51.

[Engelson, Irving](#)

[R1 -Northeastern USA](#)

[1993](#)

For management leadership of IEEE technical activities worldwide.

52.

[Etter, Delores](#)

[R5 -Southwestern USA](#)

[1992](#)

For contributions to education through textbooks for engineering computing, and for technical leadership in the area of digital signal processing.

53.

[Fegley, K](#)

[R2 -Eastern USA](#)

[1975](#)

For contributions in the application of mathematical programming to engineering problems.

54.

[Feisel, Lyle](#)

[R2 -Eastern USA](#)

[1987](#)

For leadership in and contributions to engineering education.

55.

[Fiez, Terri](#)

[R6 -Western USA](#)

[2005](#)

Research Engineer/Scientist

For contributions to analog and mixed-signal integrated circuits.

56.

[Fouad-hanna, Victor](#)

[R8 -Europe, MEast, Africa](#)

[1996](#)

For contributions to the development of advanced numerical techniques for analysis and modeling of passive microwave and millimeter wave circuits.

57.

[Franquelo, Leopoldo](#)

[R8 -Europe, MEast, Africa](#)

[2005](#)

Research Engineer/Scientist

For contributions to the design of circuits using innovative hardware for industrial applications.

58.

[Frisch, Ivan](#)

[R1 -Northeastern USA](#)

[1977](#)

For contributions to the development and application of network theory.



59.

[Frisiani, Arrigo](#)

[R8 -Europe, MEast, Africa](#)

[1995](#)

For achievements and leadership in computer engineering education.

60.

[Fromm, Eli](#)

[R2 -Eastern USA](#)

[1985](#)

For contributions in biotelemetry, transducers, and bioengineering research.

61.

[Froyd, Jeffrey](#)

[R5 -Southwestern USA](#)

[2012](#)

Educator

For contributions to engineering education

62.

[Fu, Shen-li](#)

[R10 -Asia and Pacific](#)

[2009](#)

Research Engineer/Scientist

For contributions to electronic packaging research and education

63.

[Galloway, Kenneth](#)

[R3 -Southeastern USA](#)

[1986](#)

For contributions to the study of radiation effects in microelectronics.

64.

[Garcia, Oscar](#)

[R5 -Southwestern USA](#)

[1984](#)

For contributions to arithmetic coding theory and leadership in computer science education.

65.

[Gaylord, Thomas](#)

[R3 -Southeastern USA](#)

[1983](#)

For contributions to the field of grating diffraction, optical data storage and processing, and engineering education.

66.

[Gerhardt, Lester](#)

[R1 -Northeastern USA](#)

[1979](#)

For research in digital signal processing, communications and adaptive systems, and pattern recognition, and for leadership in engineering education.

67.

[Glesner, Manfred](#)  
[R8 -Europe, MEast, Africa](#)  
[2000](#)

For contributions to the development of microelectronic system design and education in microelectronics.

68.

[Gonzalez, Mario](#)  
[R5 -Southwestern USA](#)  
[1995](#)

For contributions to parallel processing systems and computer education.

69.

[Hagler, Marion](#)  
[R5 -Southwestern USA](#)  
[1980](#)

For contributions to plasma science and optical signal processing.

70.

[Hagness, Susan](#)  
[R4 -Central USA](#)  
[2009](#)

Research Engineer/Scientist

For contributions to time-domain computational electromagnetics and microwave medical imaging

71.

[Harris, Gerald](#)  
[R4 -Central USA](#)  
[1995](#)

For contributions to clinical research and education in human motion analysis and rehabilitation engineering.

72.

[Herz, Eric](#)  
[R5 -Southwestern USA](#)  
[1983](#)

For contributions to the development and management of information systems for testing aerospace vehicles and for valuable services to the Institute

73.

[Hodge, D](#)  
[R3 -Southeastern USA](#)  
[1990](#)

For leadership in electrical engineering education.

74.

[Houpis, Constantine](#)  
[R3 -Southeastern USA](#)  
[1986](#)

For leadership education for control systems engineering.

75.

[Hubing, Todd](#)

[R4 -Central USA](#)

[2006](#)

Research Engineer/Scientist

For contributions to numerical electromagnetic modeling of complex printed circuit boards as applied to electromagnetic compatibility (EMC).

76.

[Hughes, Joseph](#)

[R3 -Southeastern USA](#)

[2007](#)

Educator

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

77.

[Impagliazzo, John](#)

[R1 -Northeastern USA](#)

[2010](#)

Educator

For contributions to computing education

78.

[Irwin, J D](#)

[R3 -Southeastern USA](#)

[1982](#)

For contributions to industrial electronics, control instrumentation, and engineering education.

79.

[Ivanek, Ferdo](#)

[R6 -Western USA](#)

[1993](#)

For contributions to the development of fundamental-frequency microwave oscillators and amplifiers and their application in analog and digital radio relay systems.

80.

[Ivanov, Andre](#)

[R7 -Canada](#)

[2006](#)

Research Engineer/Scientist

For contributions to intellectual property (IP) for system on a chip (SoC) testing.

81.

[Jamieson, Leah](#)

[R4 -Central USA](#)

[1993](#)

For contributions to the design and characterization of parallel algorithms for speech, image, and signal processing applications.

82.

[Jhunjhunwala, Ashok](#)

[R10 -Asia and Pacific](#)

[2009](#)

Technical Leader

For leadership in development of cost-effective telecommunications in remote areas

83.

[Jones, Jr., Edwin C.](#)

[R4 -Central USA](#)

[1988](#)

For contributions to engineering education.

84.

[Joos, Geza](#)

[R7 -Canada](#)

[2006](#)

Research Engineer/Scientist

For contributions to the theory and application of high power converters in power systems.

85.

[Kantor, Gideon](#)

[R2 -Eastern USA](#)

[1986](#)

For leadership and contributions to microwave and radio frequency diathermy and hyperthermia.

86.

[Katz, Allen](#)

[R1 -Northeastern USA](#)

[2000](#)

For contributions to Microwave Linearization Technology.

87.

[Kaynak, Okyay](#)

[R8 -Europe, MEast, Africa](#)

[2003](#)

Research Engineer/Scientist

For contributions to variable structure systems theory and its applications in mechatronics.

88.

[Kerns, David](#)

[R1 -Northeastern USA](#)

[1991](#)

For contributions to engineering education and research in microelectronics.

89.

[Kirk, D](#)

[R6 -Western USA](#)

[1992](#)

For contributions to signal and systems education.

91.

[Koul, Shiban](#)

[R10 -Asia and Pacific](#)

[2010](#)

Research Engineer/Scientist

For contributions to analysis and design of microwave and millimeter wave components and circuits

92.

[Kurinec, Santosh](#)

[R1 -Northeastern USA](#)

[2011](#)

Educator

For leadership in integrating innovative microelectronics research in engineering education

93.

[Lambert-torres, Germano](#)

[R9 -Latin America](#)

[2014](#)

Research Engineer/Scientist

For contributions to the application of intelligent systems to power systems

94.

[Laplante, Phillip](#)

[R2 -Eastern USA](#)

[2008](#)

Educator

For leadership in engineering education and for contributions to software and systems education

95.

[Law, Mark](#)

[R3 -Southeastern USA](#)

[1998](#)

For contributions to integrated circuits process modeling and simulation.

96.

[Lightner, Michael](#)

[R5 -Southwestern USA](#)

[1998](#)

For contributions to the Computer-Aided Design of Integrated Circuits

7.

[Lindenlaub, J](#)

[R4 -Central USA](#)

[1991](#)

For contributions to instructional technology in electrical engineering.

98.

[Long, Stuart](#)

[R5 -Southwestern USA](#)

[1991](#)

For contributions to the development of microstrip and dielectric resonator antennas.

99.

[Lord, Susan](#)

[R6 -Western USA](#)

[2015](#)

Educator

For professional leadership and contributions to engineering education

100.

[Loui, Michael](#)

[R4 -Central USA](#)

[2006](#)

Educator

For leadership in teaching of engineering ethics.

101.

[Mantey, Patrick](#)

[R6 -Western USA](#)

[2001](#)

For leadership in engineering education, in research and in academic-industrial-government projects.

102.

[Martin-sanchez, Juan](#)

[R8 -Europe, MEast, Africa](#)

[2009](#)

Research Engineer/Scientist

For contributions to adaptive predictive control methodologies

103.

[Medina, Francisco](#)

[R8 -Europe, MEast, Africa](#)

[2010](#)

Research Engineer/Scientist

For contributions to the analysis and physical understanding of planar structures, anisotropic media, and metamaterials

104.

[Meldrum, Deirdre](#)

[R6 -Western USA](#)

[2005](#)

Research Engineer/Scientist

For contributions to genome automation.

105.

[Miki, Tetsuya](#)

[R10 -Asia and Pacific](#)

[2000](#)

For contributions to optical transmission systems and Fiber-To-The-Home.

106.

[Mink, James](#)

[R3 -Southeastern USA](#)

[1991](#)

For contributions to quasi-optical millimeter-wave power-combining techniques for solid-state sources.

107.

[Morris, James](#)

[R6 -Western USA](#)

[2000](#)

For leadership in development of electronics packaging.

108.

[Moschytz, George](#)

[R8 -Europe, MEast, Africa](#)

[1978](#)

For contributions to the theory and the development of hybrid-integrated linear communication networks.

109.

[Mourad, Samiha](#)

[R6 -Western USA](#)

[2008](#)

Research Engineer/Scientist

For contributions to fault modeling in digital circuits and systems

110.

[Murthy, S](#)

[R10 -Asia and Pacific](#)

[2013](#)

Research Engineer/Scientist

For contributions to self-excited induction generators and renewable energy applications

111.

[Nakahara, Tsuneo](#)

[R10 -Asia and Pacific](#)

[1983](#)

For contribution to the development of microwave transmission lines, traffic control systems, and fiber optics.

112.

[Nishihara, Akinori](#)  
[R10 -Asia and Pacific](#)  
[2003](#)

Research Engineer/Scientist

For contributions to the theory and design of digital signal processing.

113.

[Nossek, Josef](#)  
[R8 -Europe, MEast, Africa](#)  
[1993](#)

For contributions to the design of discrete-time networks and technical leadership in the development of radio communication systems.

114.

[Nutter, Roy](#)  
[R2 -Eastern USA](#)  
[1993](#)

For the introduction of microprocessor and advanced computer technology to applications in the mining industry.

115.

[Oakley, Burks](#)  
[R4 -Central USA](#)  
[1998](#)

For work in the development, implementation, and advocacy of asynchronous learning networks in electrical and computer engineering education.

116.

[Ohland, Matthew](#)  
[R4 -Central USA](#)  
[2014](#)

Educator

For contributions to and leadership in engineering education

117.

[Orr, John](#)  
[R1 -Northeastern USA](#)  
[2003](#)

Educator

For contributions to electrical and computer engineering education.

118.

[Palais, Joseph](#)  
[R6 -Western USA](#)  
[1997](#)

For leadership and sustained contributions to university and continuing education, primarily in the area of fiber optic communications.



119.

[Panetta, Karen](#)  
[R1 -Northeastern USA](#)  
[2008](#)

Educator

For leadership in engineering education and curriculum development to attract, retain, and advance women in engineering

120.

[Pantic, Maja](#)  
[R8 -Europe, MEast, Africa](#)  
[2012](#)

Research Engineer/Scientist

For contribution to automatic human behavior understanding and affective computing

121.

[Pasik-duncan, Bozenna](#)  
[R5 -Southwestern USA](#)  
[2001](#)

For contributions to identification and stochastic adaptive control.

122.

[Pei, Soo-chang](#)  
[R10 -Asia and Pacific](#)  
[2000](#)

For contributions to the development of digital eigenfilter design, color image coding and signal compression, and to electrical engineering education in Taiwan.

123.

[Peterson, Andrew](#)  
[R3 -Southeastern USA](#)  
[2000](#)

For contributions to Computational Electromagnetics and Electrical Engineering Education.

124.

[Peterson, George](#)  
[R8 -Europe, MEast, Africa](#)  
[1995](#)

For leadership in, and contributions to, the process of accreditation of engineering educational programs.

125.

[Phillips, Chandler](#)  
[R2 -Eastern USA](#)  
[1994](#)

For contributions to biomedical engineering education.

126.

[Pickard, William F](#)  
[R5 -Southwestern USA](#)  
[1989](#)

For contributions to the engineering aspects of biology and in particular to our understanding of the health effects of nonionizing radiation.

127.

[Pierre, John](#)  
[R5 -Southwestern USA](#)  
[2013](#)

Research Engineer/Scientist For development of signal processing methods for estimation of power-system stability

128.

[Poor, H Vincent](#)  
[R1 -Northeastern USA](#)  
[1987](#)

For contributions to the theory of robust linear filtering applied to signal detection and estimation.

129.

[Prasad, Jayasimha](#)  
[R6 -Western USA](#)  
[2007](#)

Research Engineer/Scientist  
For contributions to compound semiconductor heterojunction bipolar transistors

130.

[Puttgen, Hans](#)  
[R8 -Europe, MEast, Africa](#)  
[2008](#)

Educator  
For contributions to international engineering education and electric power research development

131.

[Rajala, Sarah](#)  
[R4 -Central USA](#)  
[2001](#)

For contributions to engineering education.

132.

[Rajan, Periasamy](#)  
[R3 -Southeastern USA](#)  
[1995](#)

For contributions to research and teaching in multi-dimensional circuit theory and signal processing.

133.

[Ramesh, Sundaram](#)

[R6 -Western USA](#)

[2015](#)

Educator

For contributions to entrepreneurship in engineering education

134.

[Ramos, Teofilo](#)

[R9 -Latin America](#)

[2001](#)

For contributions to international engineering education and for development of the Mexican Engineering Accreditation System.

135.

[Rappaport, Theodore](#)

[R1 -Northeastern USA](#)

[1998](#)

For research contributions and educational leadership in the field of wireless communications.

136.

[Rashid, M](#)

[R3 -Southeastern USA](#)

[2001](#)

For leadership in power electronics education and contributions to the analysis and design methodologies of solid-state power converters.

137.

[Rathbone, Donald E](#)

[R5 -Southwestern USA](#)

[1997](#)

For contributions to and leadership in engineering education

138.

[Reddy, Harnatha](#)

[R6 -Western USA](#)

[1992](#)

For contributions to multivariable circuit theory and its application to multidimensional stability analysis and digital filter design.

139.

[Reisslein, Martin](#)

[R6 -Western USA](#)

[2014](#)

Research Engineer/Scientist

For contributions to the design and performance evaluation of metropolitan networks and multimedia networking mechanisms

140.

[Richter, Kurt](#)

[R8 -Europe, MEast, Africa](#)

[2005](#)

Educator

For contributions to the theory and application of computational electromagnetics.

141.

[Rigas, Anthony L](#)

[R6 -Western USA](#)

[1991](#)

For contributions to continuing education for engineers.

142.

[Rowland, James](#)

[R5 -Southwestern USA](#)

[1995](#)

For leadership in electrical engineering education.

143.

[Sachdev, M](#)

[R7 -Canada](#)

[1983](#)

For contributions to computer applications for power system analysis and protection.

144.

[Sahalos, John](#)

[R8 -Europe, MEast, Africa](#)

[2006](#)

Research Engineer/Scientist

For contributions to antenna analysis and design.

145.

[Salazar-palma, Magdalena](#)

[R8 -Europe, MEast, Africa](#)

[2014](#)

Research Engineer/Scientist

For contributions to the application of numerical techniques to electromagnetic modeling

146.

[Saline, Lindon](#)

[R4 -Central USA](#)

[1983](#)

For contributions to the professional development of engineers and leadership in national programs for the entrance of minorities into the engineering profession.

147.

[Saluja, Kewal](#)

[R4 -Central USA](#)

[1995](#)

For contributions to the theory and practice of self-test of digital systems.

148.

[Schindler, John](#)

[R1 -Northeastern USA](#)

[1991](#)

For leadership in the development of effective programs in radar signal processing and antenna technology.

149.

[Schrader, Cheryl](#)

[R5 -Southwestern USA](#)

[2014](#)

Educator

For leadership and contributions in engineering education

150.

[Sebo, Stephen A](#)

[R2 -Eastern USA](#)

[1993](#)

For contributions to the development of techniques for scale modeling for high-voltage transmission stations and leadership in electric power engineering education.

151.

[Sechrist, Chalmers](#)

[R3 -Southeastern USA](#)

[1996](#)

For contributions to engineering education.

152.

[Sedra, A](#)

[R7 -Canada](#)

[1984](#)

For contributions to the theory and design of active-RC and switched-capacitor filters, and to engineering education.

153.

[Sheikh, Asrar U](#)

[R10 -Asia and Pacific](#)

[2004](#)

Research Engineer/Scientist

For contributions to railroad control systems.

154.

[Shevgaonkar, Raghunath](#)

[R10 -Asia and Pacific](#)

[2012](#)

Educator

For leadership in electrical engineering education in India

155.

[Shoop, Barry](#)

[R1 -Northeastern USA](#)

[2012](#)

Technical Leader

For leadership in photonic signal and image processing for national security

156.

[Simaan, Marwan](#)

[R3 -Southeastern USA](#)

[1988](#)

For contributions to the development and application of signal image processing techniques in exploration geophysics.

157.

[Singh, Bhim](#)

[R10 -Asia and Pacific](#)

[2010](#)

Research Engineer/Scientist

For contributions to active power filters and multipulse AC-DC converters

158.

[Skorek, Adam](#)

[R7 -Canada](#)

[2009](#)

Research Engineer/Scientist

For contributions to electro-thermal analysis of industrial processes

159.

[Sloan, Martha](#)

[R4 -Central USA](#)

[1991](#)

For contributions to engineering education, leadership in the development of computer engineering education as a discipline, and leadership in extending engineering education to women.

160.

[Smith, K](#)

[R7 -Canada](#)

[1978](#)

For contributions to digital circuit design.

161.

[Soderstrand, Michael](#)

[R2 -Eastern USA](#)

[1999](#)

For contributions to engineering education in curriculum development and contributions to analog and digital signal processing.

162.

[Soldan, David](#)

[R5 -Southwestern USA](#)

[2001](#)

For contributions to and leadership in engineering education.

163.

[Soukup, Rodney](#)

[R4 -Central USA](#)

[1994](#)

For contributions to electrical engineering education and the advancement of thin-film technology.

164.

[Spanias, Andreas](#)

[R6 -Western USA](#)

[2003](#)

Research Engineer/Scientist

For contributions to speech processing and its industrial applications.

165.

[Splitt, F](#)

[R4 -Central USA](#)

[1986](#)

For leadership in and contributions to the protection of communication systems from the effects of electrical interference.

166.

[Szczupak, Jacques](#)

[R9 -Latin America](#)

[2001](#)

For contributions to engineering education and to analog and digital signal processing.

167.

[Szeto, Andrew](#)

[R6 -Western USA](#)

[2002](#)

For contributions to rehabilitation engineering.

168.

[Thompson, James](#)  
[R5 -Southwestern USA](#)  
[2008](#)

Educator

For leadership in engineering education by initiating academic programs, increasing enrollment, and growing faculty and student research

169.

[Tompkins, Willis](#)  
[R4 -Central USA](#)  
[1992](#)

For contributions to biomedical engineering education

170.

[Tranter, William](#)  
[R3 -Southeastern USA](#)  
[1985](#)

For contributions in communications and signal processing research, and for leadership in engineering education.

171.

[Trick, Timothy](#)  
[R4 -Central USA](#)  
[1977](#)

For contributions to the analysis of communication circuits and to engineering education.

172.

[Turner, C](#)  
[R8 -Europe, MEast, Africa](#)  
[2006](#)

Educator

For contributions to engineering education.

173.

[Uceda, Javier](#)  
[R8 -Europe, MEast, Africa](#)  
[2005](#)

Research Engineer/Scientist

For contributions to the development of switched-mode power supplies.

174.

[Unnikrishnan, R](#)  
[R6 -Western USA](#)  
[2007](#)

Educator

For contributions to automatic control systems and power electronic education



175.

[Vacroux, Andre](#)  
[R5 -Southwestern USA](#)  
[2000](#)

For contributions to engineering administration, distance education, and professional training programs.

176.

[Valdez C, Jose](#)  
[R9 -Latin America](#)  
[1987](#)

For creating and developing engineering education.

177.

[Vander Vorst, A](#)  
[R8 -Europe, MEast, Africa](#)  
[1986](#)

For contributions to atmospheric microwave propagation, satellite communication earth station design, and numerical analysis of microwave components.

178.

[Vandewalle, Joos](#)  
[R8 -Europe, MEast, Africa](#)  
[1992](#)

For contributions to the mathematics of nonlinear circuits and systems

179.

[Varanasi, Murali](#)  
[R5 -Southwestern USA](#)  
[1996](#)

Technical Leader

For contributions to coding for computer fault tolerance and leadership in computer science and engineering education.

180.

[Vouk, Mladen](#)  
[R3 -Southeastern USA](#)  
[2001](#)

For contributions to engineering of reliable software-based systems.

181.

[Watson, Karan](#)  
[R5 -Southwestern USA](#)  
[1999](#)

For contributions to engineering education, including outreach to women and minorities and accreditation.

182.

[Wedlock, Bruce](#)  
[R1 -Northeastern USA](#)  
[1986](#)

For contributions and leadership in electrical engineering education.

183.

[Weichold, Mark](#)

[R5 -Southwestern USA](#)

[2015](#)

Educator

For contributions to international development of engineering education

184.

[Weissman, David](#)

[R1 -Northeastern USA](#)

[1991](#)

For leadership in the development of radar techniques to measure ocean surface wave parameters and surface winds.

185.

[Winston, Arthur](#)

[R1 -Northeastern USA](#)

[1991](#)

For the development of instrumentation and contributions to the manned space program.

186.

[Wood, Sally](#)

[R6 -Western USA](#)

[2006](#)

Educator

For contributions to engineering education at university and pre-college levels.

187.

[Woodson, Herbert](#)

[R5 -Southwestern USA](#)

[1970](#)

For contributions to teaching and research in the areas of energy conversion, electric machinery, and power-systems technology.

188.

[Wu, Min](#)

[R2 -Eastern USA](#)

[2011](#)

Research Engineer/Scientist

For contributions to multimedia security and forensics

189.

[Wyndrum, Ralph](#)

[R1 -Northeastern USA](#)

[1975](#)

For contributions to hybrid integrated circuits development and application.

190.

[Yamamoto, Mitsuyoshi](#)

[R10 -Asia and Pacific](#)

[1982](#)

For contributions to advanced electrical devices for energy generation and transmission.

191.

[Yeargan, Jerry](#)

[R5 -Southwestern USA](#)

[1995](#)

For contributions to electrical engineering education.