

**IEEE GUSTAV R. KIRCHHOFF AWARD**  
**RECIPIENTS**

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| 2025 – GIOVANNI DE MICHELI<br>Professor and Director of the<br>Institute of Electrical Engineering<br>and the Integrated Systems Centre,<br>École Polytechnique Fédérale de<br>Lausanne, Lausanne, Switzerland | "For fundamental contributions to the design<br>of systems and networks-on-chip."   |
| 2024 – MARY JANE IRWIN<br>Emerita Evan Pugh University<br>Professor (Retired), The<br>Pennsylvania State University,<br>University Park, Pennsylvania,<br>USA  | "For contributions to electronic design<br>automation and power-aware computer<br>architecture."  |
| 2023 – YOSHISUKE UEDA<br>Professor Emeritus (Retired),<br>Kyoto University, Otsu, Shiga,<br>Japan  | "For the discovery of chaotic phenomena in<br>electronic circuits and for contributions to<br>the development of nonlinear dynamics."   |
| 2022 – JOOS VANDEWALLE<br>Professor Emeritus, University of<br>Leuven, Blanden, Belgium  | "For fundamental contributions to<br>mathematical foundations of circuits and<br>systems."  |
| 2021 – THOMAS H. LEE<br>Professor, Stanford University,<br>Stanford, CA, USA   | "For pioneering CMOS technology for high-<br>performance wireless circuits and systems."  |
| 2020 – MARTIN HASLER<br>Honorary Professor, Ecole<br>Polytechnique Federale de<br>Lausanne, Vaud, Switzerland  | "For fundamental contributions to nonlinear<br>circuit theory and nonlinear dynamics"   |
| 2019 – KENNETH MARTIN<br>President, Granite SemiCom Inc.,<br>Toronto, Canada   | "For contributions to analog, mixed-signal,<br>and digital integrated circuits, and<br>outstanding leadership in microelectronics<br>education and research and development." |
| 2018 – ALAN N. WILLSON, JR.<br>Charles P. Reames Professor<br>Emeritus, University of California<br>Los Angeles, Los Angeles,<br>California  | "For fundamental contributions to the theory<br>and design of nonlinear circuits and signal<br>processing systems."   |
| 2017 – MARCEL PELGROM<br>Consultant, Pelgrom Consult,<br>Helmond, The Netherlands  | "For seminal contributions to systematic<br>analysis of random offsets in semiconductor<br>devices and their impact on circuits"  |
| 2016 – P.P. VAIDYANATHAN<br>Professor, California Institute of   | "For fundamental contributions to digital<br>signal processing."  |

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Technology, Pasadena, CA, USA

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| 2015 – YOSIRO OONO<br>Professor Emeritus, Kyushu<br>University, Fukuoka, Japan   | "For fundamental contributions to the<br>foundation of classical circuit theory."   |
| 2014 – CHUNG LAUNG LIU<br>Professor, Computer Science<br>Department, National<br>Tsing Hua University, Hsinchu,<br>Taiwan  | "For seminal, long-lasting contributions to<br>design automation for circuits and systems."   |
| 2013 – SANJIT KUMAR MITRA<br>Stephen and Etta Varra Professor,<br>Dept. of Electrical Engineering,<br>University of Southern California,<br>Los Angeles, CA, USA | "For fundamental contributions to filter<br>design and signal processing."  |
| 2012 – RONALD A. ROHRER<br>University Professor Emeritus of<br>Electrical and Computer Eng.<br>Carnegie Mellon University<br>Pittsburgh, PA, USA                 | "For fundamental contributions to circuit<br>simulation, circuit design optimization and<br>electronic design automation."                        |
| 2011 – CHARLES A. DESOER<br>Professor Emeritus<br>University of California<br>Berkeley, CA, USA  | "For crucial conceptual research<br>contributions to the behavior and the use of<br>electrical circuits and systems."                             |
| 2010 – HITOSHI WATANABE<br>Prof. Emeritus, Dept of Info<br>Systems Science, Soka University<br>Tokyo, Japan  | "For pioneering contributions to filter design<br>theory and computer-aided circuit design."  |
| 2009 – ERNEST S. KUH<br>William S. Floyd, Jr. Professor<br>Emeritus in Engineering<br>University of California<br>Berkeley, CA, USA                              | "For outstanding contributions to theory and<br>practice in circuits and systems and for<br>pioneering work in electronics design<br>automation." |
| 2008 – ALFRED FETTWEIS<br>Professor Emeritus, Lehrstuhl fuer<br>Nachrichtentechnik<br>Ruhr-Universität Bochum<br>Germany   | "For sustained contributions to circuits,<br>systems, and signal processing, especially<br>his seminal work on wave digital filters"              |
| 2007 – YANNIS P. TSIVIDIS<br>Dept of Electrical Engineering<br>Columbia University   | "For contributions to circuits and MOS device<br>modeling."   |

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New York, NY, USA

2006 – GABOR TEMES  
School of EECS  
Oregon State University  
Corvallis, OR, USA

"For fundamental contributions to analog signal processing techniques."

2005 – LEON CHUA  
Professor of Electrical Engineering  
and Computer Sciences  
University of California  
Berkeley, CA, USA

"For seminal contributions to the foundation of nonlinear circuit theory, and for inventing Chua's Circuit and Cellular Networks, each spawning a new research area."