

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

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|--|---|
| 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<br>Technology, Pasadena, CA, USA  | “For fundamental contributions to digital<br>signal processing.”  |
| 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  | “For fundamental contributions to circuit   |

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University Professor Emeritus of  
Electrical and Computer Eng.  
Carnegie Mellon University  
Pittsburgh, PA, USA

simulation, circuit design optimization and  
electronic design automation."

2011 - CHARLES A. DESOER  
Professor Emeritus  
University of California  
Berkeley, CA, USA

"For crucial conceptual research  
contributions to the behavior and the use of  
electrical circuits and systems."

2010 - HITOSHI WATANABE  
Prof. Emeritus, Dept of Info  
Systems Science, Soka University  
Tokyo, Japan

"For pioneering contributions to filter design  
theory and computer-aided circuit design."

2009 - ERNEST S. KUH  
William S. Floyd, Jr. Professor  
Emeritus in Engineering  
University of California  
Berkeley, CA, USA

"For outstanding contributions to theory and  
practice in circuits and systems and for  
pioneering work in electronics design  
automation."

2008 - ALFRED FETTWEIS  
Professor Emeritus, Lehrstuhl fuer  
Nachrichtentechnik  
Ruhr-Universität Bochum  
Germany

"For sustained contributions to circuits,  
systems, and signal processing, especially  
his seminal work on wave digital filters"

2007 - YANNIS P. TSIVIDIS  
Dept of Electrical Engineering  
Columbia University  
New York, NY, USA

"For contributions to circuits and MOS device  
modeling."

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."