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# IEEE Honors Rincón-Mora's Career of Innovation in Power-Supply and Energy-Harvesting Integrated Circuits


Photo: Josh Caius

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Tue, 06/03/2025 - 12:00

For over three decades, **Gabriel Alfonso Rincón-Mora** has led advancements in power circuit design and energy-harvesting innovation. Now, his sustained contributions have earned him one of the highest honors in his field, the IEEE Circuits and Systems Society (CASS) Charles A. Desoer Technical Achievement Award.

The award was presented to the **Georgia Tech School of Electrical and Computer Engineering** professor on May 27 during the **IEEE International Symposium on Circuits and Systems** (ISCAS) in London, United Kingdom.

The **Charles A. Desoer Technical Achievement Award** recognizes individuals who have made outstanding technical contributions, along with demonstrated engagement in the CASS community. Rincón-Mora was honored "for contributions to power-supply and energy-harvesting integrated circuits."

He is Motorola Solutions Foundation Professor, Fellow of the National Academy of Inventors, Fellow of the IEEE, and Fellow of the Institution of Engineering and Technology. He also received the National Hispanic in Technology Award from the Society of Hispanic Professional Engineers, Charles E. Perry Visionary Award from Florida International University, Three-Year Patent Award from Texas Instruments, Orgullo Hispano Award and Hispanic Heritage Award from Robins Air Force Base, and most recently, the **Distinguished Faculty Achievement Award** at ECE's Roger P. Webb Awards, the **IEEE Region 3 Joseph M. Biedenbach Outstanding Engineering Educator Award**, and the **Outstanding Educator Award from the IEEE Atlanta Chapter**.

Rincón-Mora's work has significantly advanced the design and performance of power-supply systems used in mobile, wireless, and self-sustaining devices. He is a recognized authority on voltage references, linear regulators, switching power supplies, and energy-harvesting microchips. He has also developed microchip technologies that harvest energy from ambient sources such as light, heat, motion, and magnetic fields.

His current research focuses on silicon-based microsystems that draw and condition power from miniature batteries, fuel cells, and ambient energy sources to support portable and autonomous

devices in biomedical, consumer, industrial, and military applications.

Rincón-Mora has been a faculty member at the Georgia Institute of Technology for over a quarter century. He earned his M.S. and Ph.D. degrees from Georgia Tech in 1994 and 1996, respectively, and was inducted into the Institute's Council of Outstanding Young Engineering Alumni in 2000. Before Georgia Tech, he worked at Texas Instruments.

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Professor Gabriel Rincón-Mora was honored with the most prestigious and final award of the ceremony, the Distinguished Faculty Achievement Award.

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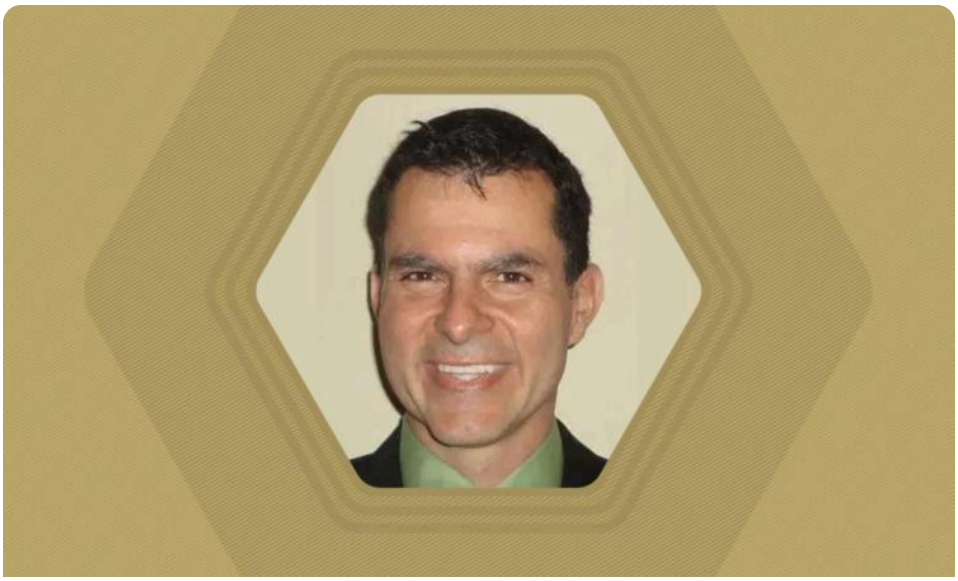

## Rincón-Mora Wins IEEE Atlanta Outstanding Educator Award

The award recognizes his innovations in power regulation, energy harvesting, and analog circuit education.

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