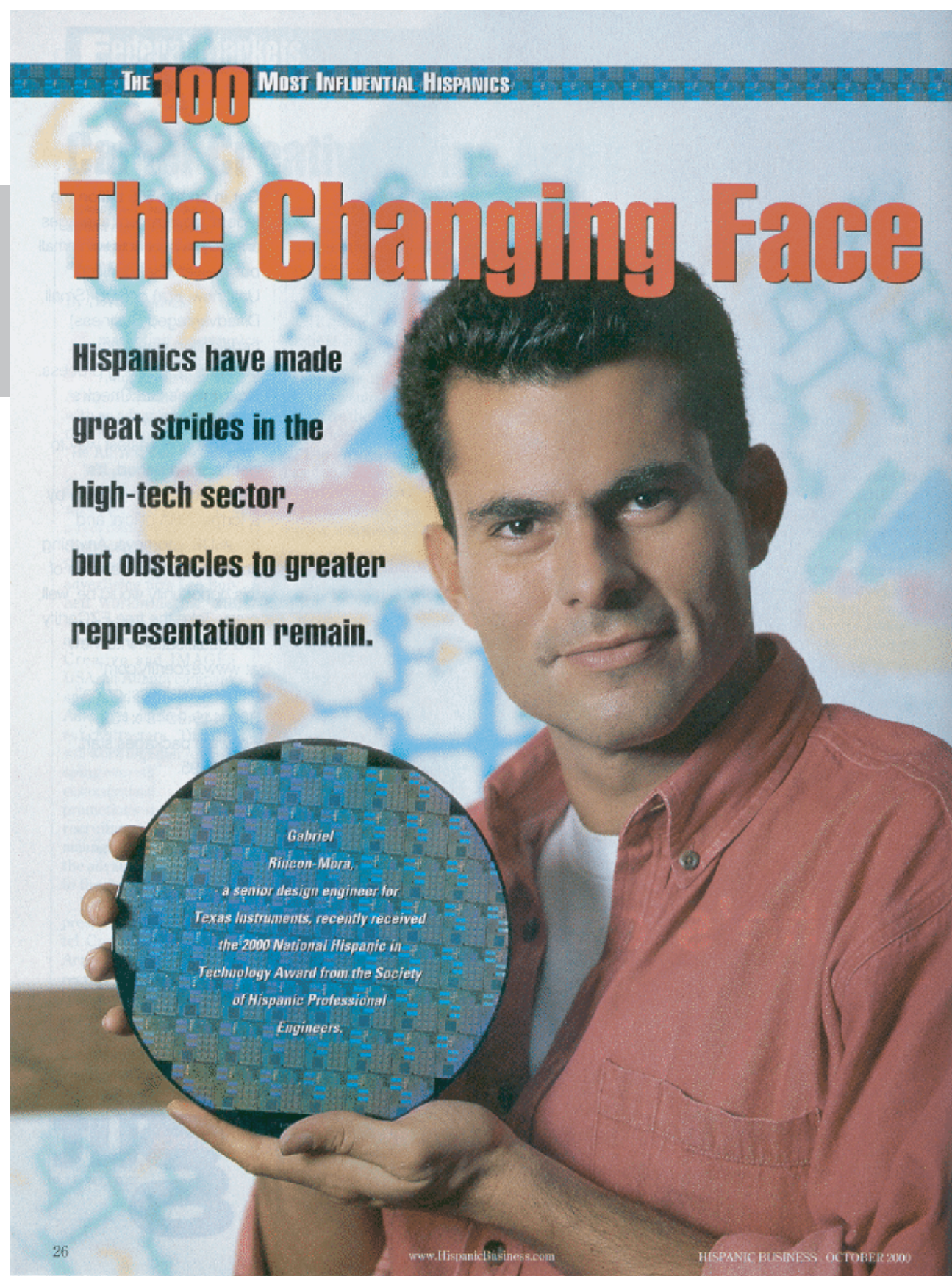


Gabriel Rincón-Mora

(1972 - present)



Prior to joining the faculty at Georgia Tech as a full-time tenure-track Assistant Professor, Dr. Rincón-Mora worked for Texas Instruments as a Senior Analog IC Designer, Design Team Leader, and Member of Group Technical Staff. He started working for TI in June of 1994 in the Standard Linear division, and more specifically, in power management ICs. Because of his work at TI, numerous patents were filed and issued -US and international-, several papers were published, and many products, ultimately, were released, which are recognized, and currently in use worldwide.

His total net revenue impact on Texas Instruments' business exceeds \$ 700 million. Since his departure in mid 2001, he has maintained a working relationship with TI in a consulting capacity, developing high performance circuits for power management applications. Today, Dr. Rincón-Mora is considered to be a worldwide expert in the general field of integrated power management and, more specifically, low-voltage, low-power, mixed-signal, analog integrated circuit design for low and high power applications. Some of the types of circuits for which he is most noted are voltage references, linear low dropout regulators, DC-DC switching controllers/converters, low voltage amplifiers, and trimming circuits. His patents, paper publications, book, designs, and his advisory/counsel roles in designs throughout TI, and the world, exemplify his leadership in the field.

For his work and its impact, numerous professional distinctions have been bestowed upon him, like the Society of Hispanic Professional Engineers' (SHPE) National Hispanic in Technology Award and Florida International University's Charles E. Perry Award for his vision and impact in the field of engineering. He was also inducted into Georgia Tech's Council of Outstanding Young Engineering Alumni for his contributions to the field of analog integrated circuit design as well as voted one of the Top 100 Most Influential Hispanics in the United States, which won him the cover of Hispanic Business Magazine. EE Times and Planet Analog also did feature stories on him, and Lieutenant Governor Cruz M. Bustamante, from the State of California, issued him an official Commendation Certificate for his positive impact on engineering and society at large. All this work and recognition also led to his early membership elevation in IEEE to Senior Member.

Dr. Rincón-Mora's research charter has been to design and develop low voltage, power efficient, high performance, totally integrated power management solutions (system-on-chip), from system architecture and physical implementation to solid-state devices and integrated circuits. He is supporting the analog program at Georgia Tech by basically adding a new field of research, which is that of integrated power management circuits. His work, to date, has been in BiCMOS and CMOS power supply circuits and systems for cellular phones, desktop PCs, laptops, DSP application circuits, and others.

Teaching and promoting the field of analog integrated circuits, both at an undergraduate and graduate level, is also a charter for Dr. Rincón-Mora. He integrates his industrial experience in the classroom by accentuating the technical concepts and highlighting the design issues of real-life products. In doing so, the students are better prepared to face the challenges of a career in industry.

Dr. Rincón-Mora has played an important leadership role in the Georgia Tech Analog Consortium (GTAC). GTAC is a consortium of industries supporting research through student sponsorship and, conversely, a consortium of faculty engaging industry to sponsor research in the analog program at ECE. Some of its members are Texas Instruments, Schlumberger, Intersil, Analog Devices, Adtran, Raytheon, and RF Micro-Devices, and over 15 faculty work coherently in this program. He is now Director of GTAC.





HISPANIC ENGINEERING TALENT by GE

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The Changing Face

P...

John F. Spenners
1911 - 1981

We'll miss you John