

ΔΙΑΛΕΞΗ

Το εργαστήριο Ηλεκτρονικής του Τμ. Ηλεκτρολόγων Μηχ. και Μηχ. Υπολογιστών σε συνεργασία με το Ελληνικό Παράρτημα Κυκλωμάτων και Συστημάτων (CAS) και Κυκλωμάτων Στερεάς κατάστασης (SSC) του διεθνούς Ινστιτούτου Ηλεκτρολόγων και Ηλεκτρονικών Μηχανικών (IEEE) στο πλαίσιο προγράμματος διαλέξεων διακεκριμένων ομιλητών, σας προσκαλεί στη διάλεξη του:

Prof. Gabriel Rincon-Mora

Professor at Georgia Institute of Technology (Georgia Tech), Atlanta, GA, USA

με θέμα:

“Energizing and Powering Microsystems”

Η εκδήλωση θα πραγματοποιηθεί στο **Αμφιθέατρο Ι του ΚΕΔΕΑ** την **Παρασκευή 7 Δεκεμβρίου 2018, στις 12:00.**

Η διάλεξη θα δοθεί στα Αγγλικά (Θα υπάρχει ζωντανή μετάδοση)

Abstract: Networked wireless microsensors can not only monitor and manage power consumption in small- and large-scale applications for space, military, medical, agricultural, and consumer markets but also add cost-, energy-, and life-saving intelligence to large infrastructures and tiny devices in remote and difficult-to-reach places. Ultra-small systems, however, cannot store sufficient energy to sustain monitoring, interface, processing, and telemetry functions for long. And replacing or recharging the batteries of hundreds of networked nodes can be labor intensive, expensive, and oftentimes impossible. This is why alternate sources are the subject of ardent research today. Except power densities are low, and in many cases, intermittent, so supplying functional blocks is challenging. Plus, tiny lithium-ion batteries and super capacitors, while power dense, cannot sustain life for extended periods. This talk illustrates how emerging microelectronic systems can draw energy from elusive ambient sources to power tiny wireless sensors.



Bio: Gabriel A. Rincón-Mora has been Professor at the Georgia Institute of Technology (Georgia Tech) since 2001, Visiting Professor at National Cheng Kung University since 2011, was Adjunct Professor at Georgia Tech in 1999-2001, and Design Team Leader at Texas Instruments in 1994-2003. He is Fellow of the National Academy of Inventors, Fellow of the Institute of Electrical and Electronics Engineers, and Fellow of the Institution of Engineering and Technology. He was inducted into Georgia Tech's Council of Outstanding Young Engineering Alumni and named one of "The 100 Most Influential Hispanics" by Hispanic Business magazine. Other distinctions include the National Hispanic in Technology Award, Charles E. Perry Visionary Award, Three-Year Patent Award, Orgullo Hispano Award, Hispanic Heritage Award, and Commendation Certificate from former Lieutenant Governor Cruz M. Bustamante of California. His scholarly products include 9 books, 4 book chapters, 42 patents, over 170 articles, over 26 commercial power-chip designs, and over 130 international speaking engagements.

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