

## **New horizons for electronic systems: Devices, design methods and application areas**

Giovanni de Micheli  
EPFL

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Facultad de Informática  
Sala de Grados - Viernes 3 de Noviembre de 2017 - 12:00  
*Entrada libre hasta completar el aforo*

### **Resumen:**

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Prof. de Micheli will talk about his research work and will provide a broader view of today's Electronic Systems. In that matter, he will show the current landscape of distributed computing and will cover the most recent technological innovations, part of them related to emerging nanotechnologies and devices. Prof. de Micheli will also present the available tools for design with emerging technologies, like physical and logic synthesis tools. Going deep in this topic, we will have the chance to revisit the majority paradigm in logic synthesis, for models, algorithms and tools.

### **Sobre Giovanni de Micheli:**

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Giovanni De Micheli is Professor and Director of the Institute of Electrical Engineering and of the Integrated Systems Centre at EPF Lausanne, Switzerland. He is program leader of the Nano-Tera.ch program. Previously, he was Professor of Electrical Engineering at Stanford University. He holds a Nuclear Engineer degree (Politecnico di Milano, 1979), a M.S. and a Ph.D. degree in Electrical Engineering and Computer Science (University of California at Berkeley, 1980 and 1983). Prof. De Micheli is a Fellow of ACM and IEEE, a member of the Academia Europaea and a Foreign Honorary member of the American Academy of Arts and Sciences. His research interests include several aspects of design technologies for integrated circuits and systems, such as synthesis for emerging technologies, networks on chips and 3D integration. He is also interested in heterogeneous platform design including electrical components and biosensors, as well as in data processing of biomedical information.