

*Advanced Engineering Course*

## **Energy-Constrained Integrated Systems**

NUS, Singapore, December 10-14, 2018



### **Massimo Alioto, NUS**

System-Level (Over)View, Fundamental Tradeoffs, Verticals  
Ultra Low-Power and Adaptive Digital Techniques, Parts I and II

### **Eduard Alarcon, UPC**

Co-Design Methodologies and Design Space Exploration  
System-Wide Adaptive On-Chip Power Management

### **Bogdan Staszewski, University College Dublin**

Low-Energy Wireless Communications and Transceivers (Parts I and II)

### **Boris Murmann, Stanford University**

Low-Power, Information-Preserving Analog Interfaces, (Parts I and II)

### **Hoi-Joon Yoo, KAIST**

On-Chip Data Analytics and Machine Learning  
Case Studies of Energy-Constrained Systems: Wearables, Biomedical

### **Ian Rabaey, Berkeley University**

Distributed Sensors Platforms and Energy-Centric System Optimization (Parts I and II)  
Case Studies of Energy-Constrained Systems: IoT, Swarms

- Early bird registration, by November 10, 2018: **USD 2'000.-**
- Registration after November 10, 2018: **USD 2'500.-**
- PhD students: **USD 750.-**

**Details on the course and the logistics are available at <http://mead.ch>**