



**MEAD** Education S.A.

## Power Management

**EPFL, LAUSANNE, SWITZERLAND  
AUGUST 29 – SEPTEMBER 2, 2016**

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### MONDAY, August 29

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8:30-12:00 am & 1:30-3:00 pm	DC-DC Converters, Topologies & Control Techniques	Richard Redl
3:30-5:00 pm	Converter Modeling and Feedback Loop Design	Richard Redl

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### TUESDAY, August 30

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8:30-10:00 am	Control Techniques and their IC Implementations for Switched-Mode Converters in Portable Applications	Eduard Alarcon
10:30-12:00 pm	Adaptive Power Management Techniques for Portable Applications	Eduard Alarcon
1:30-5:00 pm	Battery Charging Techniques & Circuits for Notebook Computers & Cellular Phones	Thomas Szepesi

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### WEDNESDAY, August 31

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8:30-10:00 am	Ultra-Low-Power Conversion, Harvesting	Eduard Alarcon
10:30-12:00 pm	Fundamentals of Linear Regulators	Pavan Hanumolu
1:30-3:00 pm	LED Drivers Design	Pavan Hanumolu
3:30-5:00 pm	Bandgap Voltage References	Willy Sansen

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### THURSDAY, September 1

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8:30-12:00 am	DC-DC: From Discrete To Fully CMOS Integrated	Michiel Steyaert
1:30-3:00 pm	Digitally Controlled DC-DC Converters	Pavan Hanumolu
3:30-5:00 pm	Time-Based Control of DC-DC Converters	Pavan Hanumolu

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### FRIDAY, September 2

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8:30-10:00 am	Design of LDO's with instant Load Regulation and Unconditional Stability	Vadim Ivanov
10:30-12:00 am	Circuit Techniques for Integrated Switching Regulators	Vadim Ivanov
1:30-3:00 pm	Nanopower Design Techniques and Efficient Energy Harvesting	Vadim Ivanov

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