



Power Management

EPFL, LAUSANNE, SWITZERLAND
AUGUST 29 - SEPTEMBER 2, 2022

MONDAY, August 29

8:30-10:00 am	Fundamentals of SC Converters and Topologies	Filip Tavernier
10:00-12:00 am	Analysis and Modeling of SC Converters	Filip Tavernier
1:30-3:00 pm	Power Stages	Bernhard Wicht
3:30-5:00 pm	Gate Drivers and Protection	Bernhard Wicht

TUESDAY, August 30

8:30-10:00 am	GaN Drivers and Circuit Design	Bernhard Wicht
10:30-12:00 pm	Charge Pumps	Bernhard Wicht
1:30-3:00 pm	Fundamentals of Inductive DC-DC Converters	Bernhard Wicht
3:30-5:00 pm	Hybrid Converters	Bernhard Wicht

WEDNESDAY, August 31

8:30-10:00 am	Fundamentals of Linear Regulators	Pavan Hanumolu
10:30-12:00 pm	LED Drivers Design	Pavan Hanumolu
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

THURSDAY, September 1

8:30-10:00 am	Interference and PSRR	Michiel Steyaert
10:30-12:00 pm	Bandgap Voltage References	Willy Sansen
1:30-5:00 pm	DC-DC: From Discrete Towards Fully CMOS Integrated	Michiel Steyaert

FRIDAY, September 2

8:30-10:00 am	Practical Techniques of Frequency Compensation	Vadim Ivanov
10:30-12:00 pm	Design of LDO's with Instant Load Regulation and Unconditional Stability	Vadim Ivanov
1:30-3:00 pm	Circuit Techniques for Integrated Switching Regulators	Vadim Ivanov
3:30-5:00 pm	Nanopower Design Techniques and Efficient Energy Harvesting	Vadim Ivanov
