



POWER MANAGEMENT

ON-LINE CLASS on MS TEAMS

January 13-24, 2025

WEEK 1		JANUARY 13-17			
WEEK 2		JANUARY 20-24			
DAILY		Central European Time	Eastern Standard Time	Pacific Standard Time	India Standard Time
		CET (Lausanne)	EST (New York)	PST (California)	IST (India)
<i>Module 1</i>		3:30-5:00 pm	9:30-11:00 am	6:30-8:00 am	7:00-8:30 pm
<i>Module 2</i>		5:30-7:00 pm	11:30 am -1:00 pm	8:30-10:00 am	9:00-10:30 pm
WEEK 1	<i>Module</i>				
DAY 1, Mon. January 13	1	Fundamentals of SC Converters and Topologies			Filip Tavernier
	2	Analysis and Modeling of SC Converters			Filip Tavernier
DAY 2, Tue. January 14	1	Power Stages			Bernhard Wicht
	2	Gate Drivers			Bernhard Wicht
DAY 3, Wed. January 15	1	GaN Drivers and Circuit Design			Bernhard Wicht
	2	Protection and Sensing			Bernhard Wicht
DAY 4, Thu. January 16	1	Fundamentals of Inductive DC-DC Converters			Bernhard Wicht
	2	Hybrid Converters			Bernhard Wicht
DAY 5, Fri. January 17	1	Fundamentals of Linear Regulators			Pavan Hanumolu
	2	LED Drivers Design			Pavan Hanumolu
WEEK 2	<i>Module</i>				
DAY 6, Mon. January 20	1	Digitally Controlled DC-DC Converters			Pavan Hanumolu
	2	Time-Based Control of DC-DC Converters			Pavan Hanumolu
DAY 7, Tue. January 21	1	Interference and PSRR			Michiel Steyaert
	2	Bandgap Voltage References			Michiel Steyaert
DAY 8, Wed. January 22	1&2	DC-DC: From Discrete To Fully CMOS Integrated			Michiel Steyaert
DAY 9, Thu. January 23	1	Practical Techniques of Frequency Compensation			Vadim Ivanov
	2	Design of LDO's with Instant Load Regulation & Unconditional Stability			Vadim Ivanov
DAY 10, Fri. January 24	1	Circuit Techniques for Integrated Switching Regulation			Vadim Ivanov
	2	Nanopower Design Techniques and Efficient Energy Harvesting			Vadim Ivanov