



# POWER MANAGEMENT

On-Line Course on MS-TEAMS

January 18-29, 2027

<b>WEEK 1</b>		<b>JANUARY 18-22</b>			
<b>WEEK 2</b>		<b>JANUARY 25-29</b>			
<b>DAILY</b>	Central European Time	Eastern Standard Time	Pacific Standard Time	India Standard Time	
	<b>CET (Lausanne)</b>	<b>EST (New York)</b>	<b>PST (California)</b>	<b>IST (India)</b>	
<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	
<b>WEEK 1</b>	<i>Module</i>				
DAY 1, Monday January 18	1	Fundamentals of SC Converters and Topologies			Filip Tavernier
	2	Analysis and Modeling of SC Converters			Filip Tavernier
DAY 2, Tuesday January 19	1	Power Stages			Bernhard Wicht
	2	Gate Drivers			Bernhard Wicht
DAY 3, Wednesday, January 20	1	GaN Drivers and Circuit Design			Bernhard Wicht
	2	Protection and Sensing			Bernhard Wicht
DAY 4, Thursday, January 21	1	Fundamentals of Inductive DC-DC Converters			Bernhard Wicht
	2	Hybrid Converters			Bernhard Wicht
DAY 5, Friday January 22	1	Fundamentals of Linear Regulators			Pavan Hanumolu
	2	LED Drivers Design			Pavan Hanumolu
<b>WEEK 2</b>	<i>Module</i>				
DAY 6, Monday, January 25	1	Interference and PSRR			Michiel Steyaert
	2	Bandgap Voltage References			Michiel Steyaert
DAY 7, Tuesday, January 26	1	Digitally Controlled DC-DC Converters			Pavan Hanumolu
	2	Time-Based Control of DC-DC Converters			Pavan Hanumolu
DAY 8, Wednesday, January 27	1&2	DC-DC: From Discrete To Fully CMOS Integrated			Michiel Steyaert
DAY 9, Thursday, January 28	1	Practical Techniques of Frequency Compensation			Vadim Ivanov
	2	Design of LDO's with Instant Load Regulation & Unconditional Stability			Vadim Ivanov
DAY 10, Friday, January 29	1	Circuit Techniques for Integrated Switching Regulation			Vadim Ivanov
	2	Nanopower Design Techniques and Efficient Energy Harvesting			Vadim Ivanov