

# ITSS 2014 Programme

Sunday 06.07.2014	8:30-10:30	Opening session	
		L1	Prof. Hans Hartnagel - Review of Relevant Fundamentals for Latest Developments in Microwave and Optical Electronics
	10:30-11:00	Coffee break	
	11:00-13:00	L2	Prof. Bogdan Galwas - Optical Links for Transmission of Microwave Signals
		L3	Prof. Peter Meissner - Tunable VCSELS
	13:00-14:00	Lunch	
	14:00-16:00	L4	Prof. Janusz Parka - Metamaterials from Microwave to Optical Range
		L5	Prof. Michal Malinowski - Rare-earth Upconversion Luminescence for Optical Sensing
	16:00-16:30	Coffee break	
16:30-18:00	Team projects		
18:00-19:00	Dinner		

Monday 07.07.2014	8:30-10:30	L6	Prof. Yevhen Yashchynshyn - Principle of Smart and Reconfigurable Antennas and Selected Applications
		L7	Prof. Zbynek Raida - Wireless Body Area Networks
	10:30-11:00	Coffee break	
	11:00-13:00	L8	Prof. Giorgio Leuzzi - Analysis Methods of Nonlinear Circuits and Stability under Large-Signal Conditions
		L9	Prof. Viktor Krozer - THz Electronics
	13:00-14:00	Lunch	
	14:00-16:00	P1	Grzegorz Bogdan - Radiation Pattern Shaping in Two-Element Time-Modulated Antenna Array
		P2	Bartosz Fetlinski - Rare Earth based Materials as Solar Spectra Converters for Photovoltaics Applications
		P3	Konrad Godziszewski - Tunability Measurements of Ferroelectric Ceramic-Polymer Composites for sub-THz range
		P4	Konrad Markowski - Optimization of Apodized Tapered Fiber Bragg Grating Parameters
		P5	Alaa Saleh - Design of DPSS based Fiber Bragg Gratings and Their Applications in All-Optical Encryption
		P6	Fabian Dornuf - Terahertz Sensor Structures for Biological Applications
		P7	Daniel Kienemund - Presentation of TU Darmstadt
		P8	Andre Ehlert - High Speed 12-bit Arbitrary Waveform Generator (AWG)
		P9	Mohammadreza Malekizandi - Presentation of TU Darmstadt - Department of Photonics
16:00-16:30	Visit from our sponsor Altoo & Keysight technologies + Coffee break		
16:30-18:00	Team projects		
18:00-19:00	Dinner		
After 19:00	Professors meet at "Post-Pubben"		

Tuesday 08.07.2014	8:30-10:30	L10	Prof. Franscesca Brunetti - Introduction to New Generation Solution Processable Solar Cells: Perspectives and Challenges	
		L11	Prof. Franco Giannini - High Efficiency Power Amplifiers for High-Frequency Application	
	10:30-11:00	Coffee break		
	11:00-12:30	P10	Ilona Piekarz - Investigation on Coupled Inductors and Their Application in Miniaturized Broadband Directional Couplers	
		P11	Izabela Slomian - Microstrip Antenna Arrays Utilizing Slot-Coupled Feeding Networks	
		P12	Jakub Sorocki - Magic-T Network with Left-Handed Transmission Line Sections	
		P13	Jan Velim - In-car Communication at 60 GHz	
		P14	Michal Mrnka - Sub-millimeter Wave Antennas	
		P15	David Krutilek - Aircraft Wiring and Transients Caused by Lightning	
	12:30-13:30	Lunch		
13:30-14:00	Group photo			
14:00-19:00	Excursion: Rosenborg Castle, Walking Tour through Copenhagen, Canal Tour			
After 19:00				

Wednesday 09.07.2014	8:30-10:30	L12	Prof. Pablo Acedo - Photonic Devices and Architectures for Generation, Processing and Detection of Mm-wave and THz signals	
		L13	Prof. Idelfonso Tafur Monroy - Radio-over-fiber for Multi-Gbit/s Photonic-Wireless Access Systems	
	10:30-11:00	Coffee break		
	11:00-13:00	L14	Dr. Andreas Penirschke - Sensors for Particle Accelerators	
		L15	Prof. Dimitri Liobtchenko - Passive and Active Devices based on Dielectric Rod Waveguides for Millimeter and THz Frequencies	
	13:00-14:00	Lunch		
	14:00-16:00	P16	Patrik Hubka - Half-mode Substrate Integrated Waveguide Slot Antenna	
		P17	Petr Vasina - Antenna Array for Off-body Communication at 60 GHz	
		P18	Viktor Adler - The Six-Port Spatial Measurement	
		P19	Martin Haase - Study of Calibration Standards for Extreme Impedances Measurement	
		P20	Jose Estaran - DTU Fotonik	
		P21	Miguel Iglesias - DTU Fotonik	
		P22	Lucas Cavalcante - DTU Fotonik	
		P23	Edson Porto da Silva - DTU Fotonik	
		P24	Andrey Generalov - Carbon Nanotubes Suspended MEMS Varactor	
16:00-16:30	Coffee break			
16:30-18:00	Team projects			
18:00-19:00	Dinner			

Thursday 10.07.2014	8:30-10:30	L16	Prof. Karel Hoffmann - Microwave Vector Measurements
		L17	Prof. Sergey Pivnenko - Antenna Measurements: Fundamentals and Advanced Techniques
	10:30-11:00	Coffee break	
	11:00-13:00	Visit to Laboratories at DTU Elektro and DTU Fotonik	
	13:00-14:00	Lunch	
	14:00-16:00	Student Project Presentation I	
	16:00-16:30	Coffee break	
	16:30-18:00	Student Project Presentation II	
18:00-19:00	Dinner		

Friday 11.07.2014	8:30-10:30	Student Project Presentation III	
	10:30-11:00	Coffee break	
	11:00-12:45	Awards and closing ceremony	
	12:45-13:00	ITSS 2015 address - Prof. Pablo Acedo	
	13:00-14:00	Lunch	
	after 14:00	Departure of participants	