

Summer School Edition 2

nonlinearlife

August 12–24 2018 Riga Latvia RTU Kipsala Campus

	TIME	ACTIVITY	VENUE	
SUNDAY	12	Until 18:30	Individual arrival	RTU Student Hostel in Kipsala, Azenes street 6, Riga
		19:00	Meeting with organizers and walking to the Riga Old Town accompanied by Eriks Badamsins	Meeting point: in front of the Student Hostel at 18:50
MONDAY	13	09:00-09:30	Breakfast	Faculty of Electronics and Telecommunications (FET) canteen, ground floor, Azenes street 12, Riga
		09:50-11:50	Opening of the Summer School. Latvian language lesson	RTU Student Hostel in Kipsala, Conference hall, floor 11, Azenes street 6, Riga
		12:05-12:50	Team Science – the Future of the Medicine. Cardiology as an Example by Prof. Andrejs Erglis, Latvia	FET, room 116, Azenes street 12
		12:55-13:40		
		13:40-14:30	Lunch	FET canteen
		14:30-15:15	Peptide Nanophotonics: from Biooptics to Implantable Lab-on-chips by Prof. Gil Rosenman, Israel	FET, room 116, Azenes street 12
		15:20-16:05		
		16:15-17:00	Measurement of Low Concentrations of Nanosized Objects in Biofluids by Means of Refractometric Methods by PhD Dmitrijs Merkulovs, Latvia	FET, room 116, Azenes street 12
17:05-17:50				
17:50-19:00	Walk around the RTU Kipsala Campus			
TUESDAY	14	08:15-08:45	Breakfast	FET canteen
		09:00-09:45	Effects of Magnitude Saturation in (Medical) Signal Processing by Prof. Guntars Balodis, Latvia	FET, room 111, Azenes street 12
		09:50-10:35		
		10:45-12:00	Realtime Detection of Brain Neurochemistry: from Wired to Wireless Monitoring by Prof. Pier Andrea Serra, Italy	FET, room 111, Azenes street 12
		12:05-12:50		
		12:50-13:30	Lunch	FET canteen
		13:30-14:15	Introduction to Cryoballoon Therapy for Treatment of Atrial Fibrillation by Prof. Frank Stein, Germany	FET, room 111, Azenes street 12
		14:20-15:05		
		15:05-16:00	Transfer to the enterprise Baltic Scientific Instruments (BSI)	
		16:00-17:00	Demonstrations at the enterprise BSI	
17:00-18:00				
18:00-19:00	Transfer from the enterprise			
WEDNESDAY	15	08:15-08:45	Breakfast	FET canteen
		09:00-09:45	Nanomaterials and Nanotechnology by Prof. Ashok Vaseashta, USA	FET, room 111, Azenes street 12
		09:50-10:35		
		10:45-12:00	Nonlinear Life from a Biological Point of View by Prof. Röbbbe Wünschiers, Germany	FET, room 111, Azenes street 12
		12:05-12:50		
		12:50-13:30	Lunch	FET canteen
		13:30-14:15	Simulation and Augmented Visualization in Medicine by Prof. Lucio Tomasso De Paolis, Italy	FET, room 111, Azenes street 12
		14:20-15:05		
19:20	Meeting point: in front of the Student Hostel and walking to the Folkclub "Ala"			
20:00-22:00	Folkclub "Ala"			
THURSDAY	16	08:15-08:45	Breakfast	FET canteen
		09:00-09:45	Nanomedicine and Immunity by Prof. Mario Milco D'Elis, Italy	FET, room 111, Azenes street 12
		09:50-10:35		
		10:45-12:00	Deep Learning and Big Data. Are They a Fashion or a Research Tool for Me? by Prof. Franco Milano, Italy	FET, room 111, Azenes street 12
		12:05-12:50		
		12:50-13:30	Lunch	FET canteen
		13:30-14:10	Transfer to the enterprise Nuclear Medicine Centre (NMC)	
		14:20-15:05	Cyclotron Technologies and Radiopharmaceutical Production by MSc Vitalijs Skrivelis, Latvia (lesson will be delivered at NMC facilities)	
		15:05-16:00	Demonstrations at the enterprise NMC	
16:00-17:00				
17:00-18:00	Transfer from the enterprise			

FRIDAY	17	08:15–08:45	Breakfast	FET canteen
		09:00–09:45	Biomaterials – Present and Trends by Prof. Marina Cabrini, Italy	FET, room 111, Azenes street 12
		09:50–10:35		
		10:45–12:00	Reverse Engineering Techniques Applied to Additive Manufacturing by Prof. Andrea Vitali, Italy	FET, room 111, Azenes street 12
		12:05–12:50		
		12:50–13:30	Lunch	FET canteen
		13:30–14:15	Additive Manufacturing Principles and Technologies by PhD Sergio Lorenzi, Italy	FET, room 111, Azenes street 12
		14:20–15:05	Visible Light-Sensitive Biopolymer Nanocomposites as a Potential Approach for Targeted Cancer Therapy by Prof. Ulviya Bunyatova, Turkey	FET, room 111, Azenes street 12
		15:05–16:00		
		16:15–17:00	Transfer to the Riga Motor Museum	
17:00–18:00	Guided tour through the Riga Motor Museum			
18:00	Transfer from the museum			
SATURDAY	18	08:15–08:45	Breakfast	FET canteen
		09:00–09:45	Nonlinearity, Chaos, and Fractals in Biomedical Physics by Prof. Wlodzimierz Klonowski, Poland	Faculty of Architecture, room 115, Kipsalas street 6, Riga
		09:50–10:35		
		10:45–12:00	Molecular Clock in Macro- and Microevolution by Prof. Isaak Rasha, Latvia	Faculty of Architecture, room 115, Kipsalas street 6, Riga
		12:05–12:50		
		12:50–13:50	Transfer to the enterprise The Sigulda Stereotactic Radiotherapy Centre (SRC Sigulda), lunchbox	
		13:50–14:10	Introduction of the SRC Sigulda by Dr pharm Maris Skromanis, Latvia (lesson will be delivered at SRC Sigulda facilities)	
		14:10–15:15	Medical Physics in Oncology-practical Point of View by MSc Indra Surkova, Latvia (lesson will be delivered at SRC Sigulda facilities)	
		15:15–16:15	Demonstrations at the enterprise SRC Sigulda	
		16:15–21:00	Social event	
21:00–22:00	Transfer from Sigulda			
SUNDAY	19	09:15–09:45	Breakfast	FET canteen
		10:00	Tour to Jūrmala city	Meeting point: in front of the Student Hostel
MONDAY	20	08:15–08:45	Breakfast	FET canteen
		09:00–09:45	Advanced Continuous Nanofibers and Products: Nanomanufacturing, Properties, and Applications by Prof. Juris (Yuris) Dzenis, USA	FET, room 111, Azenes street 12
		9:50–10:35		
		10:45–12:00	Biomimetic Polymeric Self-healing Materials by Prof. Jose Miguel Martin-Martinez, Spain	FET, room 111, Azenes street 12
		12:05–12:50		
		12:50–13:30	Lunch	FET canteen
		13:30–14:15	Novel Biosensors for Point of Care Tests by Prof. Mehmet Yükksekaya, Turkey	FET, room 111, Azenes street 12
		14:20–15:05	Round table discussion	FET, room 111, Azenes street 12
15:05–16:00				
TUESDAY	21	08:15–08:45	Breakfast	FET canteen
		09:00–09:45	Weak Electrons Nonlinear Emission – Great Impact to Characterize Nanomaterials by Prof. Yuri Dekhtyar, Latvia	FET, room 111, Azenes street 12
		09:50–10:35		
		10:45–12:00	Multiphoton Processes in Biomedicine: Towards Cancer Therapy and Diagnostics by Prof. Ricardas Rotomskis, Lithuania	FET, room 111, Azenes street 12
		12:05–12:50		
		12:50–13:30	Lunch	FET canteen
		13:30–14:15	Are Nonlinear Dynamics and Chaos Mathematical Abstraction or Practically Relevant Phenomena? by Prof. Dmitrijs Pikulins, Latvia	FET, room 111, Azenes street 12
		14:20–15:05		
		15:05–16:00	Transfer to the enterprise Riga East University Hospital	
		16:00–17:00	Demonstrations at the enterprise Riga East University Hospital	
17:00–18:00				
18:00–19:00	Transfer from the enterprise			
WEDNESDAY	22	08:15–08:45	Breakfast	FET canteen
		09:00–12:45	Project development	Scientific Library of RTU, Paula Valdena Street 5, Riga
		12:50–13:30	Lunch	FET canteen
		13:35–16:00	Project development	Scientific Library of RTU, Paula Valdena Street 5, Riga
THURSDAY	23	08:15–08:45	Breakfast	FET canteen
		09:00–12:50	Viva voce defence of the projects	FET, room 111, Azenes street 12
		12:50–13:30	Lunch	FET canteen
		13:30–14:15	Closing of the Summer School	FET, room 111, Azenes street 12
FRIDAY	24	Departure		