

NDTonAir Kaunas event (32h 4 ECTS)

Scientific school signal and Image processing

Workshop on Ultrasonic imaging

13-17 May 2019

Venue: Baršausko 59, LT-51423, Kaunas, Lithuania

Agenda

Monday, 13th May

Time	Lecturer	Title	Venue
13.00-13.30		Arrival	
13.30-14.00	L. Balaševičius L. Mažeika	Welcome by Vice-Rector for Research and Innovations Welcome by Director of Ultrasound Institute	228
14.00-15.00		ESR presentations Part 1	
15.00-15.30		Break	
15.30- 17.30		ESR presentations Part 2	228

Tuesday, 14th May

Time	Lecturer	Title	Venue
9.00-10.30	L. Mažeika	Signal processing in ultrasonic and NDT measurements	228
10.30-11.00		Break	
11.00-12.30	L. Svilainis	Time of flight estimation and deconvolution	228
12.30-13.30		Lunch Break	
13.30-15.00	Serge dos Santos	The physical meaning of autocorrelation functions: how Nonlinear Time Reversal signal processing help us?	228
15.00-15.30		Break	
15.30- 17.00	Serge dos Santos	The digital transformation of modern NDT using Nonlinear Ultrasound: the signal processing point of view	228

Wednesday, 15th May

Time	Lecturer	Title	Venue
9.00-10.30	Igor Solodov	Classical and non-classical nonlinear acoustical techniques for NDE&NDT Local nonlinearity for monitoring of bonding quality in composite aerospace components	228
10.30-11.00		Break	
11.00-12.30	Igor Solodov	Resonance of damage: a new approach to NDT and defect imaging	228
12.30-13.30		Lunch Break	
13.30-15.00	R. Kažys	Air-coupled ultrasonic testing and measurements	228
15.00-15.30		Break	
15.30- 17.00	L. Svilainis	Ultrasound electronics and spread spectrum signals	228

Thursday, 16th May

Time	Lecturer	Title	Venue
9.00-10.30	Mathias Kersemans	Full-field NDT techniques by the use of Local Defect Resonance and Guided waves	228
10.30-11.00		Break	
11.00-12.30	Bernd Köhler	Non-Conventional Ultrasonic Imaging Applications	228
12.30-13.30		Lunch Break	
13.30-15.00	Hubert Mooshofer	SAFT and Full Matrix Capture	228
15.00-15.30		Break	
15.30- 17.00	E. Jasiūnienė	Peering inside – X-ray computed tomography possibilities	228
15.30- 17.00		Visit of Institute facilities	
17.30		Walking tour in old town	
19.30		Dinner at the restaurant “ Avilyls ”	

Friday, 17th May

Time	Lecturer	Title	Venue
9.00-10.30	Stefano Laureti	Workshop on ultrasonic Imaging	441
10.30-11.00		Break	
11.00-12.30		Practical experiments in groups	431
12.30-13.30		Wrap up and closing Lunch Break	