

Monday January 28

Time	Speaker	Title
8:30	Welcome	
	Chair: L. Pardo	
8:40	Jürgen Rödel	European perspective on lead-free piezoceramics <i>Invited</i>
9:40	Guttorm Syvertsen-Wiig	Production, processing and properties of (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ (BNT-BT) ferroelectric ceramics <i>Keynote</i>
10:10	Nicola Fenu	Towards Pb-Free Piezoceramic and Piezocrystal Performance Prediction for Power Ultrasonics Applications
	Coffee break	
	Chair: C. Galassi	
11:00	Konstantin Astafiev	Lead-free piezoceramic material in an industrial application <i>Keynote</i>
11:30	Kristian Radan	Compositional inhomogeneity in Mn-doped (K,Na,Li)(Nb,Ta)O ₃ – CaZrO ₃ lead-free piezoceramics
11:50	Pascal Marchet	Texturation of lead-free BaTiO ₃ based piezoelectric ceramics
12:10	Peter Ferraro	The Use of Poly(propylene carbonate) as a Binder for Base Metal Co-Fired Multilayer Piezoelectrics
12:30	Lunch	
	Chair: B. Malic	
14:00	Paul Muralt	Growth, properties, and applications of Al _{1-x} Sc _x N thin films <i>Invited</i>
15:00	Sylvia Gebhardt	Tailoring of Piezoceramic Components for Customized Ultrasonic Transducers <i>Keynote</i>
15:30	Carmen Galassi	Magnetolectric particulate composites: microstructure and magnetic properties
	Coffee break	
	Chair: H. Raeder	
16:10	Barbara Malic	Relaxor ferroelectric multilayer ceramic elements for electrocaloric cooling <i>Keynote</i>
16:40	Jan Petzelt	New interpretation of the T* temperature in PMN-type relaxors: local soft-mode driven ferroelectric transition in polar nanodomains
17:00	Yourack Lee	Mn-modified PIN-PMN-PT Piezoelectric Single Crystals and its Applications
17:20	Jakob Andreasson	Introduction to the available capabilities for material science applications at the ELI Beamlines facility
18:00	Dinner	

Tuesday January 29

Time	Speaker	Title
	Chair: S. Gebhardt	
8:30	Guus Rijnders	Epitaxial integration of PZT thin films with Si and III/V substrates Invited
9:30	Lutz Nielen	Characterization and Reliability Testing for Emerging Piezoelectric Memories
9:50	Petr Yudin	Nano-scale modelling of pyroelectric energy harvesting
	Coffee break	
	Chair: E. Ringgaard	
10:30	Francois Pigache	Piezoelectric plasma generator for decontamination of medical devices – a preliminary study
10:50	Peter Neumeister	Piezoelectrically actuated electrodes for vibration assisted electro-chemical water treatment
11:10	Guy Feuillard	Electroacoustic performances of an ultrasonic projector
11:30	Clement Nadal	Modelling of conventional piezoelectric resonators by Hamilton's principle using mode acceleration method
12:00	Lunch	
	Skiing // hiking	
17:00	Poster session Drinks	
20:00	Conference dinner	

Wednesday January 30

Time	Speaker	Title
	Chair: G. Poulin-Vittrant	
8:30	Jean François Saillant	Applications of ultrasonic transducers for non-destructive testing in the nuclear industry Invited
9:30	Yang Bai	A multi-functional photo-ferroelectric ceramic for multi-source energy harvesting with only one component
9:50	Thien Hoang	Numerical and experimental investigations of piezoelectric energy harvesters
	Coffee break	
	Chair: J. Erhart	
10:30	Sarah Boubenia	Numerical approach to design efficient mechanical energy harvesting system based on piezo-semiconducting nanowires
10:50	Valentin Segouin	Digital Image Correlation for the characterization of ferroelectric and piezoelectric properties
11:10	Stefan Zollner	Electrons and phonons: precision measurements of optical constants with spectroscopic ellipsometry
	Closing	
12:00	Lunch	
13:00	Bus departure	