

Monday January 28		
Time	Speaker	Title
8:30	Welcome	
8:40	Jürgen Rödel	European perspective on lead-free piezoceramics (Invited speaker)
9:40	Sandy Cochran	Towards Pb-Free Piezoceramic and Piezocrystal Performance Prediction for Power Ultrasonics Applications (Keynote speaker)
10:10	Sophie Labonnote-Weber	Production, processing and properties of (Bi _{0.5} Na _{0.5})TiO ₃ -BaTiO ₃ (BNT-BT) ferroelectric ceramics (Keynote speaker)
10:40	Coffee break	
11:00	Kristian Radan	Compositional inhomogeneity in Mn-doped (K,Na,Li)(Nb,Ta)O ₃ – CaZrO ₃ lead-free piezoceramics
11:20	Dong Hou	Structural investigation of lead-free ferroelectric materials during aqueous chemical solution processing
11:40	Pascal Marchet	Texturation of lead-free BaTiO ₃ based piezoelectric ceramics
12:00	Peter Ferraro	The Use of Poly(propylene carbonate) as a Binder for Base Metal Co-Fired Multilayer Piezoelectrics
12:20	Lunch	
14:00	Paul Muralt	Growth, properties, and applications of Al_{1-x}Sc_xN thin films (Invited speaker)
15:00	Sylvia Gebhardt	Tailoring of Piezoceramic Components for Customized Ultrasonic Transducers (keynote speaker)
15:30	Vincent Trole	Piezoelectric based ice protection system – modelling and experimental results
15:50	Coffee break	
16:10	Barbara Malic	Relaxor ferroelectric multilayer ceramic elements for electrocaloric cooling (Keynote speaker)
16:40	Zibo Jiang	Application Study of Mn doped PIN-PMN-PT Relaxor Ferroelectric Crystal Grown by Vertical Gradient Freeze Method
17:00	Jan Petzelt	New interpretation of the T* temperature in PMN-type relaxors: local soft-mode driven ferroelectric transition in polar nanodomains
17:20	Yourack Lee	Mn-modified PIN-PMN-PT Piezoelectric Single Crystals and its Applications
17:40	Jakob Andreasson	Introduction to the available capabilities for material science applications at the ELI Beamlines facility

Tuesday January 29		
<i>Time</i>	<i>Speaker</i>	<i>Title</i>
8:30	Guus Rijnders	Epitaxial integration of PZT thin films with Si and III/V substrates (Invited speaker)
9:30	Lutz Nielen	Characterization and Reliability Testing for Emerging Piezoelectric Memories
9:50	Nicu Scarisoreanu	Raising the multifunctionality of laser processed perovskite thin films/nanostructures through chemical pressure and epitaxial strain
10:10	Coffee break	
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	Philippe Combette	Piezoelectric sensors for high temperature applications
11:30	Guy Feuillard	Electroacoustic performances of an ultrasonic projector
11:50	Lunch	
	Skiing and hiking	
17:00	Poster session	
19:30	Conference dinner	

Wednesday January 30		
<i>Time</i>	<i>Speaker</i>	<i>Title</i>
8:30	Thien Hoang	Numerical and experimental investigations of piezoelectric energy harvesters
8:50	Yang Bai	A multi-functional photo-ferroelectric ceramic for multi-source energy harvesting with only one component
9:10	Sarah Boubenia	Numerical approach to design efficient mechanical energy harvesting system based on piezo-semiconducting nanowires
9:30	Petr Yudin	Nano-scale modelling of pyroelectric energy harvesting
9:50	Clement Nadal	Modelling of conventional piezoelectric resonators by Hamilton's principle using mode acceleration method
10:10	Coffee break	
10:30	Carmen Galassi	Magnetolectric particulate composites: microstructure and magnetic properties
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
11:30	Closing	
13:00	Bus departure	