

From	To	2025-07-01
08:40	09:10	Registration
9.10	9.15	Welcome speech from conference chairman prof.dr. Dalius Mažeika
9.15	9.20	Welcome speech from vice-rector for science and inovation of VILNIUS TECH prof.dr. Dalius Navakasukas
Session chairman Jörg Wallaschek		
9.25	9.55	<u>Keynote speech. dr. Erling Ringgaard</u> " <i>Lead-free piezoceramic materials and their applications</i> "
9.55	10.15	" <i>Bolted langevin transducers with lead free piezoelectric ceramics</i> " Tobias Hemsel , Claus Scheidemann, Peter Bornmann and Walter Littmann
10.15	10.35	" <i>Investigation of optimal driving conditions for particle excitation flow control valve using torsional vibration</i> " Daisuke Hirooka , Naomichi Furushiro and Tomomi Yamaguchi
10.35	10.55	" <i>Hybrid Torque Prediction for Ultrasonic Motors Based on the Physical Model and Machine Learning</i> " Yanbo Wang , Tatsuki Sasamura and Takeshi Morita
10.55	11.30	Coffee break
Session chairman Takeshi Morita		
11.30	11.50	" <i>Media-free and contactless micro-positioning system using ultrasonic levitation and magnetic actuators</i> " Berend Denkena, Henning Buhl, Jens Twiefel and Chenglong Ding
11.50	12.10	" <i>Visual feed back system for rotaly miniature ultrasonic motor driven by low-order vibration mode</i> " Tsukiho Fujitani , Hiroaki Fukushima and Shunsuke Izuhara
12.30	12.50	" <i>Crystallographic Texturing of Acceptor doped PMN-PT based Ceramics for High-power Applications</i> " Dong-Gyu Lee , Chong-Yun Kang, Sahn Nahm and Hyun-Cheol Song
13.00	14.30	Lunch at "Bernelių užėiga" J.Lelevelio str. 6 Vilnius
Session chairman Sergejus Borodinas		
14.30	15.00	<u>Keynote speech. prof. dr. habil. Vytautas Ostasėvičius</u> " <i>Piezo devices for human therapy</i> "
15.00	15.20	" <i>Synthesis of pyrochlore-free KNBT nanopowders using a coating approach</i> " Gamze Kahrman, Süleyman Zahit Durucan and Volkan Kalem
15.20	15.40	" <i>Thermal Behavior of Piezoelectric Materials</i> " Sunghoon Hur , Gimin Park and Hyuncheol Song
15.40	16.00	" <i>Piezoelectric properties of PZT epitaxial thin films deposited by RF-sputtering</i> " Isaku Kanno
16.00	16.20	" <i>An aluminum nitride piezoelectric thin film for biosignal monitoring</i> " Antonino Proto , Angelo Taibi, Rosa Brancaccio, Silvia Rizzato, Maria Teresa Todaro, Anna Grazia Monteduro, Giuseppe Maruccio, Anna Paola Caricato, Oscar Azzolini, Lorenzo Angioletti and Shweta Mishra
16.20	17.00	Coffee break & IWPMA Board Meeting
17.00	19.00	Guided tour - Vilnius old town

From	To	2025-07-02
08:40	09:00	Registration
		Session chairman Tobias Hemsel
9.05	9.35	<u>Keynote speech. dr. Aušrinė Bartašytė</u> " <i>LiNbO3 films for electro-active devices:</i> "
9.35	9.55	" <i>High-Efficiency Deep-Tissue Ultrasound Power Transfer Using Pliable and Bioadhesive Lead-Free Piezoelectric Receiver</i> " Iman M. Imani and Hyun- Cheol Song
9.55	10.15	" <i>Non-contact measurement system for young’s modulus and shear modulus</i> " Soki Eto , Kohei Aono and Takeshi Morita
10.15	10.35	" <i>Piezoelectric DC generator through sequential in-phase polarization variation</i> " Hyun-Cheol Song , Hyun Soo Song and Sunghoon Hur
10.35	10.55	" <i>Multi-DOF ultrasonic motor for needle manipulators</i> " Shunsuke Izuhara and Tomoaki Mashimo
10.55	11.30	Coffee break
Session chairman Dalius Mažeika		
11.30	11.50	" <i>Time dependent material characteristics of prestressed piezoelectric ceramics in langevin transducers</i> " Claus Scheidemann , Tobias Hemsel and Walter Sextro
11.50	12.10	" <i>Advancing Self-Sensing Piezoelectric Actuator Control: Incorporating Permittivity and Leakage Current Data through a Neural Network Framework</i> " Chuhang Lin , Sze Keat Chee and Takeshi Morita
12.30	12.50	" <i>Active Tuning of the Resonance Frequency of a Transducer Utilizing a Synthetic Impedance on Non-Driven Piezos</i> " Willi Ron and Jens Twiefel
13.00	14.30	Lunch at "Bernelių užėiga" J.Lelevelio str. 6 Vilnius
Session chairman Jens Twiefel		
14.30	15.00	<u>Keynote speech. dr. Andrei Shishkin</u> " <i>Rethinking Composites: Matrix-Less Ceramic Foams for Extreme Applications in Aerospace and Defence</i> "
15.00	15.20	" <i>Lead-free pyrochlore ceramics for optimized dielectric properties and breakdown properties by grain refinement approaches</i> " Hyunseung Kim , Sang-il Yoon and Chang Kyu Jeong
15.20	15.40	" <i>An Inchworm-type Moving Robot Driven by Micro-Geared Ultrasonic Motors</i> " Yosei Manabe , Harunobu Namba, Shunsuke Izuhara and Tomoaki Mashimo
16.00	16.20	" <i>Temperature-independent dielectric characteristics of KNbO3-Ca(Ti, Zr)O3 ceramics for the X9R MLCC</i> " Byeong-Jae Min , Boo-Hyun Choi, Hyun-Ju Choi, Geun-Soo Lee and Sahn Nahm
16.20	16.40	" <i>Tailoring compositional gradients for high piezoelectricity in sol-gel derived hetero-layered epitaxial PZT thin films on silicon substrate</i> " Sang Hyo Kweon , Kota Kasatani and Isaku Kanno
16.40	17.00	" <i>Dielectric properties of the (1-x)KNbO3-xSrTiO3 ceramics synthesized under various sintering conditions</i> " Hyun-Ju Choi , Byeong-Jae Min, Boo-Hyun Choi, Geun-Soo Lee and Sahn Nahm
19.00	21.00	A gala diner at Restaurant "Lokys" Stiklių str. 8 Vilnius

From	To	2025-07-03
08:40	09:00	Registration
		Session chairman Isaku Kano
9.00	9.20	" <i>Altered current profiles for piezoelectric ultrasonic copper wire bonding to reduce tool wear</i> " Yongyong Zhu , Chengyan Hu, Yangyang Long and Jens Twiefel
9.20	9.40	" <i>Scalable and sustainable extrusion-based manufacturing of eco-safe 3D-printed biopolymeric piezocomposite</i> " Malik Daniyal Zaheer and Rolanas Daukševičius
9.40	10.00	" <i>Effect of [001]-texturing on the piezoelectric properties of the (K, Na)NbO3-based piezoceramics for piezoelectric energy harvester</i> " Sahn Nahm, Geun-Soo Lee, Byeong Jae Min , Boo-Hyun Choi,Hyun Ju Choi and Bumjoo Kim
10.00	10.20	" <i>Lead-free piezoelectric polymer-ceramic films for green energy harvesting</i> " Riccardo Manfredi , Marco Fortunato, Maurizio Vignolo, Lavinia Curecheriu, Maria Teresa Buscaglia and Paola Stagnaro
10.20	10.40	" <i>Hybrid high power piezoelectric drive for micro-stepping applications</i> " Dalius Mažeika , Piotr Vasiljev, Andrius Čeponis, Regimantas Bareikis, Arūnas Struckas, Sergejus Borodinas
10.40	11.00	Coffee break
Session chairman Sergejus Borodinas		
11.00	11.20	" <i>Temperature-stable dielectric properties of (Ca, Ba)TiO3-SmAlO3 ceramics for COG MLCCs</i> " Boo-Hyun Choi , Byeong-Jae Min, Hyun-Ju Choi, Bum-Joo Kim, Geun-Soo Lee, Su-Been Kim, Jin-Woo Kim, Seok-Hyun Yoon and Sahn Nahm
11.20	11.40	" <i>Piezoelectric biodegradable K-carrageenan film force sensor film</i> " Andrius Dzedzickis, Jurate Petroniene and Vytautas Bucinskas
11.40	12.00	" <i>Touch pen-type piezoelectric sensor</i> " Andrius Gedvila , Algimantas Rotmanas, Regimantas Bareikis and Irmantas Gedzevičius
12.00	12.20	" <i>Mitral valve modeling for clinical applications</i> " Alicia Menéndez Hurtado , Rimantas Kačianauskas and Sergejus Borodinas
12.20	12.40	" <i>Homogenization-based multiscale modeling of lightweight particulate composites</i> " Darius Mačiūnas , Sergejus Borodinas, Rimantas Kačianauskas, Renata Boris, Szymon Nosewicz and Rimvydas Stonys
Farewell word, closing remarks and announcement of IWPMA 2026		
13.30	16.00	Tour to Faculty of Mechanical Engineering of VILNIUS TECH. NOTE - Advance registration at conference registration desk is needed