

PROGRAMME OF THE 20TH WORKSHOP ON ACOUSTOELECTRONICS

Szczyrk, 24 February – 27 February 2025

24.02.2025 Monday	
14:00	<i>Lunch</i>
15:00-15:10	OPENING CEREMONY of the Conferences 53rd WSW&QA 52nd WSEA&V 19th IOS'2025
15:10-16:00	JUBILEE SESSION of PROF. ADAM KAWALEC Presentation of the silhouette of Jubilat prof. dr hab. inż. Adam Kawalec on the occasion of the 50th anniversary of scientific work Prof. Tadeusz Pustelny
16:00-17:00	<i>Coffee Break</i>
17:00-18:00	MUSIC GLANCE
18:00-19:00	<i>Supper</i>
19.30	Jubilee of 20th Winter Workshop on Molecular Acoustics, Relaxation and Calorimetric Methods and 20th Winter Workshop on Acoustoelectronics

25.02.2025 Tuesday	
8:00	<i>Breakfast</i>
13:00	<i>Lunch</i>
	SESSION
15:10-15:30	The Influence of a Bulk Waves on the Characteristics of a SAW Filters Adam Kawalec, Marta Walencykowska
15:35-15:55	Reflection Method of Reading Acoustoelectronic Sensors Parameters Michał Grabka, Krzysztof Jasek, Mateusz Pasternak
16:00-16:20	Method of Determining the Envelope of the Blood Flow Velocity Curve in Spectral Doppler Ultrasound Jarosław Majewski, Krzysztof J. Opieliński, Andrzej Wiktorowicz
16:30-17:00	<i>Coffee break</i>
17:00-17:20	3D Ultrasound Reconstruction Based on Free Hand Acquisitions with Motion Estimation Paweł Żogał, Krzysztof J. Opieliński, Andrzej Wiktorowicz
17:25-17:45	SAW Interaction with Water Molecules in Air on Free 128° Y-X Lithium Niobate Substrate Wiesław Jakubik, Dawid Dragon, Massimiliano Benetti, Domenico Cannata, Venkat Bhethanabotla, Jarosław Wrotniak
20:00	<i>Festive Supper</i>

26.02.2025 Wednesday	
8:00	<i>Breakfast</i>
13:00	<i>Lunch</i>
	SESSION
15:10-15:30 On-line	Development of an Orthogonal Dual Delay Line Biosensor with Acoustic Mixing for Enhanced Sensitivity on a ST-Quartz Substrate Yuqi Huang, Venkat Bhethanabotla
15:35-15:55 On-line	Acoustoelectric Effect in ZnO-based SAW Delay Lines Induced by UV Light Adsorption Cinzia Caliendo, Massimiliano Benetti, Domenico Cannatà, Alessio Buzzin, Francesca Grossi, Giampiero de Cesare
16:30-17:00	<i>Coffee break</i>
17:00-17:20	An Improved Test Set with Switchable Oscillator for Dual-delay Line SAW Gas Sensors Jarosław Wrotniak, Mirosław Magnuski, Wiesław Jakubik
17:25-17:45	Numerical Analysis and New Formulas of the Response stage, on Recovery step, of a new SAW Structure with Disappeared layer RR-P3HT in detection DMMP Tomasz Hejczyk, Jarosław Wrotniak, Paulina Powroźnik, Wiesław Jakubik
18:00-19:00	<i>Supper</i>

19:00-20:00	Vinyl Meetup
20:00	POSTER SESSION
27.02.2025Thursday	
8:00	<i>Breakfast</i>