

# PROGRAMME OF THE 16<sup>TH</sup> WORKSHOP ON ACOUSTOELECTRONICS

Szczyrk, 24 February – 27 February 2020

24.02.2020 Monday	
13:00	<i>Lunch</i>
14:30-14:35	<b>OPENING CEREMONY of the Conferences</b>  15 <sup>th</sup> IOS'2020 49 <sup>th</sup> WSW&QA 48 <sup>th</sup> WSEA&V
14:35-16:30	<b>Jubilee Sessions</b>
15:00-15:30	<i>Plenary lecture:</i> <b>Integrated Photonics – yesterday, today and tomorrow</b> <u>R. PIRAMIDOWICZ</u> , S. STOPIŃSKI, A. PAŚNIKOWSKA, M. SŁOWIKOWSKI, A. KAŻMIERCZAK, A. JUSZA, K. ANDERS, W. PLESKACZ, P. SZCZEPAŃSKI
15:30-16:00	<i>Plenary lecture:</i> <b>Nanoparticles-doped photonic liquid crystal fibers for enhanced efficiency of electric field tunability</b> <u>T. R. WOLIŃSKI</u> , K. BEDNARSKA, D. BUDASZEWSKI, M. CHYCHŁOWSKI, P. LESIAK, B. BARTOSEWICZ, Z. JANKIEWICZ, R. DĄBROWSKI
16:00-16:30	<i>Plenary lecture:</i> <b>Nonlocal Solitons</b> <u>W. KRÓLIKOWSKI</u>
16:30-17:00	<i>Coffee Break</i>

18:30	<i>Supper</i>
19:30	<b>MUSIC GLANCE</b>

<b>25.02.2020 Tuesday</b>	
8:00	<i>Breakfast</i>
13:00	<i>Lunch</i>
<b>15:20- -18:00</b>	<b>SESSION</b>
15:20-15:50	<b>Testing the application of the ultrasonic ring array used in ultrasound transmission tomography for examining structures using the reflection method</b> W. STASZEWSKI, T. GUDRA, K. J. OPIELIŃSKI
15:50-16:20	<b>Analysis of possibilities of reducing the refraction phenomenon in breast ultrasound tomography scanning</b> K. J. OPIELIŃSKI
16:20-17:00	<i>Coffee break</i>
17:00-17:30	<b>Optimal selection of multicomponent matching layers for piezoelectric transducers using genetic algorithm</b> T. GUDRA, D. BANASIAK
17:30-18:00	<b>Location of the sources and identification of acoustic emission signals related to partial discharges generated within generator coil bars</b> F. WITOS
19:30	<i>Festive Supper (Banquet)</i>

**26.02.2020 Wednesday**

8:00	<i>Breakfast</i>
13:00	<i>Lunch</i>
15:20- -18:00	SESSION
15:20-15:50	<b>Study on solid dielectric materials influence on acoustic emission signals emitted by surface discharges</b> M. KUNICKI
15:50-16:20	<b>Measurement and testing of the occurrence of Partial Discharges occurring during the temporary electric of transverse insulation barriers using the method of UV radiation emission and acoustic emission</b> P. FRĄCZ, P. SZPULAK, Sz. PASZKIEL
16:20-17:00	<i>Coffee break</i>
17:00-17:30	<b>Identification of the basic forms of electrical discharge generated in insulating oil measured by optical spectrophotometry</b> M. KOZIOŁ
17:30-18:00	<b>Experimental and numerical analysis of the steady stage of a new SAW structure with RR-P3HT in detection DMMP with morphological model</b> T. HEJCZYK, J. WROTNIAK, P. POWROŹNIK, W. JAKUBIK
18:30-19:00	<i>Poster session – preparation of posters</i>
19:00-20:00	<i>Supper</i>
20:00	POSTER SESSION

20:00	<p><b>POSTER SESSION</b></p> <p><b>Compare Time-Frequency Content of Infrasound signal in wind turbines with Wavelet Coherence</b> T. BOCZAR, D. ZMARZŁY, M. LORENC</p> <p><b>The application of selected hierarchical clustering methods for classification of the acoustic emission signals generated by basic forms of partial discharges</b> S. BORUCKI, J. ŁUCZAK, M. LORENC</p> <p><b>Comparison of acoustic noise emitted by Partial Discharges on the surface of a clean and dirty medium voltage isolator using a specialised acoustic camera</b> M. GRYSZPIŃSKI</p> <p><b>Analysis of acoustic wave velocity in natural ester doped by Fe and graphene nanoparticles</b> Ł. NAGI, A. PŁUŻEK, M. KOZIOŁ, D. WOTZKA</p> <p><b>Acoustic emission method applications for pipelines testing</b> A. OLSZEWSKA, F. WITOS, Z. OPILSKI</p>

**28.02.2019 Thursday**

8:00

*Breakfast*