

PONIEDZIAŁEK 10.09.2018

Godz.	ZEBRANIA	
9:00 - 12:00	Sala B	<i>Zebranie Zarządu Głównego PTA</i>
14:00 – 16:00	Sala C	<i>Posiedzenie Komitetu Akustyki PAN</i>
17:00 – 19:00	Sala E	<i>Zjazd delegatów PTA</i>

WTOREK, 11.09.2018

Godz.	Sala E (plenarna)	Sala B	Sala C - Polish-German Structural Session
9:00	Ceremonia otwarcia		
	Informacja o programie konferencji i materiałach konferencyjnych		
9:40	Wspomnienie o prof. Andrzeju Rakowskim		
10:00	Referat plenarny: Grażyna Grelowska - My adventure with hydroacoustics		
10:40	Referat plenarny: Anna Warzybok - Bridging acoustics and audiology by research on speech recognition		
11:20	Przerwa na kawę		
11:50	Sesja jubileuszowa prof. Antoniego Śliwińskiego		Electroacoustics & Room Acoustics
	B. Linde <i>Sylwetka prof. Antoniego Śliwińskiego</i>		M. Vorländer, I. Witew <i>Spatial scanning of sound fields in rooms</i>
	A. Śliwiński, <i>Wybrane wspomnienia z historii akustyki na Wybrzeżu Gdańskim w ostatniej dekadzie 2008–2018</i>		
12:20	Sesja jubileuszowa prof. A. Śliwińskiego		A. Dobrucki, P. Költzsch, <i>The history of acoustics in Breslau/Wrocław in 20-th century – a bridge over time</i>
	M. Grzegorzczak, S. J. Pogorzelski <i>Photoacoustic spectroscopy studies of biofilm-covered solid substrata submerged in sea</i>	K. Listewnik, D. Dobrowolska <i>Development of metrological infrastructure in the field of underwater acoustics in Poland</i>	
12:40	S. Weyna <i>Does Vortex Sound Theory change the paradigm of acoustics?</i>	A. Młyńska, D. Dobrowolska <i>The methods of measurement of acoustic parameters of IEC 60318-1 ear simulators</i>	G. Engel, <i>Acoustic enhancement for orchestra players</i>
13:00	E. Skrodzka <i>Dancing violins and guitars</i>	M. Wejdman, System Pomiarowe Sp. z o.o. <i>Rozwiązania pomiarowe dla akustyki przemysłowej i środowiskowej</i>	G. Behler <i>Digitally controlled PA-systems in churches</i>
13:20	A. Snakowska, J. Jurkiewicz, Ł. Gorazd, K. Kolber <i>Procedure of experimental derivation of the two-port scattering matrix applying the single-mode generator</i>	K. Sałagan, SVANTEK Sp. z o.o. <i>Sound and Vibration Measurement Instrumentation</i>	J. M. Kimmich, A. Schlesinger, M. Tschakner, M. Ochmann, S. Frank <i>Acoustical analysis of coupled rooms applied to the Deutsche Oper Berlin</i>
13:40	Przerwa obiadowa		

Godz.	Sala E (plenarna)	Sala B	Sala C - Polish-German Structural Session
14:50-15:30	Referat plenarny: Bożena Kostek - Life beyond music recommendation systems: listening to live music		
	Sesja jubileuszowa prof. A. Śliwińskiego	Walka z hałasem	Traffic Noise
15:40	T. Gudra, D. Banasiak <i>Methods for selecting multicomponent layers which match the acoustic impedance of ultrasonic transducers to various media</i>	G. Bogusławski, J. Gralewski, J. Kopania <i>Comparison the beamforming method with standard acoustics measurements in industrial environment.</i>	B. Altreuther, M. Maennel <i>Low noise pavements in Germany: established concepts and new ideas</i>
16:00	W. Batko <i>Decybelowa algebra w akustyce.</i>	J. Kopania <i>Beamforming - microphone arrays technique for aeroacoustic applications</i>	
16:20		K. Kosala <i>Sound transmission loss analysis of plates using calculation models</i>	M. Hintzsche <i>Traffic noise and noise action planning in Germany</i>
16:40		W. Łapka, P. Wrzeciono <i>Vibroacoustic analysis of selected sources of low-frequency noise in residential buildings</i>	P. Mioduszewski <i>Poroelastic road surface - a promising road traffic noise abatement solution</i>
17:00		G. Makarewicz, M. Lewandowski <i>Sound level control based on Grey System Theory for the protection against hearing damage risk in music entertainment venues</i>	T. Wszolek, Janusz Piechowicz, Jakub Piechowicz <i>Investigation of the uncertainty of determination of long-term road traffic noise indicators on the basis of short-term measurements</i>
17:20	<i>Przerwa na kawę</i>		
	Akustyka muzyczna	Walka z hałasem	Electroacoustics & Room Acoustics
17:50	T. Uhl <i>QoS by VoIP using different audio codecs</i>	W. Mikulski <i>Method to determine sound insulation of enclosure in the 8-50 kHz frequency range</i>	R. Bolejko, A. Dobrucki, P. Plaskota <i>Design of acoustic chamber for loudspeakers measurements</i>
18:10	P. Wrzeciono, W. Przybylski, A. Ostrowski <i>The proposition of guitar sound parameters to assess the impact of atmospheric conditions on acoustic qualities of the instrument</i>	A. Pietrzak, J. Żera, G. Makarewicz <i>The risk of asymmetrical noise-induced hearing loss among music students</i>	T. Kamisiński <i>Problems of acoustic treatment in historic halls</i>
18:30	P. Falkowski-Gilski <i>Radio simulcasting at a glance: a new look at broadcasting and streaming services</i>	Wibroakustyka J. Pyra, M. Kłaczyński <i>Vibroacoustic measurements and analysis of high energy impulses</i>	K. Brawata, T. Kamisiński <i>The analysis of sound propagation in opera houses in the context of stage curtains legs arrangement</i>
18:50 - 19:10	P. Hoffman, B. Kostek <i>Audio signal equalization based on spectral characteristics of a listening room and music content reproduced</i>	P. Macioszek, BSW Berleburger Schaumstoffwerk GmbH <i>Możliwości zastosowania materiałów wibroakustycznych</i>	P. Kozłowski <i>How to adjust room acoustics to multifunctional use at music venues</i>
19:30	<i>Kolacja grillowa (Barbecue dinner)</i>		

ŚRODA, 12.09.2018

Godz.	Sala E (plenarna)	Sala B	Sala C - Polish-German Structural Session
9:00 - 9:40	Referat plenarny: Janusz Piechowicz et al. - <i>Onto Spitsbergen with a microphone</i>		
	Hydroakustyka (Akustyczny i satelitarny monitoring środowiska)	Akustyka mowy	Active Systems for Noise and Vibration Control
9:50	N. Gorska <i>Hydroacoustic study of benthic habitats in southern Baltic Sea (review of three projects)</i>	S. Brachmański <i>Quality evaluation of speech AAC and HE-AAC coding</i>	M. Misol, S. Algermissen, M. Rose, H. P. Monner <i>Aircraft lining panels with low-cost hardware for active noise reduction</i>
10:10	Z. Łubniewski, A. Stepnowski <i>Seafloor characterisation using underwater acoustic devices</i>	P. Staroniewicz <i>Influence of Natural Voice Disguise Techniques on Automatic Speaker Recognition</i>	L. Morzyński, G. Szczepański, W.M. Zawieska <i>Evaluation of acoustic properties of sound insulating enclosure with actively controlled double-panel structure using various measuring techniques</i>
10:30	P. Pezacki, N. Gorska, D. Rak <i>ADCP observations of Diel Vertical Migration of biological layers in Gulf of Gdańsk.</i>	G. Malczyk, W. Wszolek <i>The study of the usefulness of acoustic parameters of speech of stutterers</i>	J. Schröck, M. Schörgenhuber, S. Weitzhofer, J. Passenbrunner, M. Nader <i>An integrated mechatronic modelling, simulation, and optimization approach for the customized design of active vibration damping solutions</i>
10:50	J. Tęgowski, J. Nowak, K. Trzcńska, Ł. Janowski, A. Kruss, M. Rucińska-Zjadacz <i>Comparison of backscatter and seabed topographic characteristics recorded by multibeam echosounder at Rewal area - southern Baltic Sea</i>	H. Pamuła, M. Gawlik, A. M. Fabczak, W. Wszolek <i>Parametric assessment of esophageal speech in post-laryngectomy patients</i>	P. Zech, J. Jungblut, D. F. Plöger, S. Rinderknecht <i>Phase-exact adaptive feedforward control with reduced computational complexity for modulated gear mesh vibration at 4.7 kHz</i>
11:10	<i>Przerwa na kawę</i>		
	Hydroakustyka (Komunikacja podwodna, Propagacja)	Akustyka środowiska	Active Systems for Noise and Vibration Control
11:40	I. Kochańska, J. H. Schmidt <i>Estimation of coherence bandwidth for underwater acoustic communication channel</i>	D. Czopek, P. Małecki, J. Piechowicz, J. Wiciak <i>Soundscape analysis of selected places in Longyearbyen area</i>	D. Bismor <i>The Hopping Discrete Fourier Transform to speed Up convergence of a frequency-domain active noise control system</i>
12:00	J. H. Schmidt, A. M. Schmidt, I. Kochańska <i>Multiple Input, Multiple Output technique for underwater acoustic communication system</i>	M. Miterańska, J. Kompala <i>The method of soundscape evaluation of selected urban parks in Poland</i>	A. Chrapońska, S. Wrona, J. Rzepecki, K. Mazur, M. Pawełczyk <i>Secondary paths analysis of an active casing placed at a wall</i>
12:20	K. W. Zuber, K. J. Opieliński <i>Animal mimicry in covert underwater communication: application of syntax generation and simulated genome method</i>	J. Radosz <i>Pilot studies on the effects of tonal noise annoyance impact on workers performing their primary tasks</i>	T. Bartel, S. Herold, F. Infante, J. Käsgen, M. Matthias, J. Millitzer, S. Perfetto <i>Active vibration reduction of ship propulsion system</i>
12:40	D. Witos-Okrasińska, G. Grelowska, E. Kozaczka <i>Vertical temperature stratification of the Gulf of Gdansk water</i>	B. Smagowska, D. Pleban <i>Results of noise, lighting and microclimate assessment at the workstations in the hospital</i>	K. Mierzejewski, L. Leniowska <i>Active vibration control of rectangular plate using smart materials</i>
13:00	<i>Przerwa obiadowa</i>		

Godz.	Sala E (plenarna)	Sala B	Sala C - Polish-German Structural Session
14:40 - 15:20	Referat plenarny: Iliia Ostrovsky et al. - <i>Implementation of acoustic methodology for investigation of the ecology of gas-containing toxic cyanobacterium Microcystis sp.</i>		
15:30	Hydroakustyka (Przetwarzanie sygnałów)	Przetwarzanie sygnałów audio	Ultrasonic Spectrometry and Molecular Acoustics of Liquids
	Z. Ostrowski, J. Marszał, R. Salamon <i>Underwater navigation system based on Doppler shifts of continuous wave</i>	M. Jaczyńska, P. Bobiński, A. Pietrzak <i>Music recognition algorithms using queries by example</i>	M. Dzida <i>Opening of the session</i>
15:50	P. Grall, J. Marszał <i>Depth determination accuracy of the modified Prony method in swath mapping application</i>	M. Łuczynski <i>Normal to whisper voice conversion using active tone cancelation</i>	Udo Kaatze <i>Ultrasonic and dielectric relaxation of associating liquids. Translation-orientation coupling and concentration fluctuations</i>
16:10	K. Buszman <i>Bearing calculation accuracy for a simulated noise source using a hydroacoustic tetrahedral antenna.</i>	M. Lewandowski, E. Najduchowski, P. Bobiński <i>An automatic audio mastering system</i>	B. Linde <i>Vibrational relaxation in several derivatives of benzene</i>
16:30	R. Józwiak <i>Results comparison of grouping objects with the use of "acoustical colures" method obtained from heterogeneous measurement modules</i>		Z. Ranachowski, K. Schabowicz, T. Gorzelańczyk, M. Lewandowski, D. Cacko, T. Katz, T. Dębowski <i>Investigation of acoustic properties of fibre-cement boards</i>
16:50	<i>Przerwa na kawę</i>		
17:20	Hydroakustyka (przetwarzanie sygnałów)	Akustyka biomedyczna	Ultrasonic Spectrometry and Molecular Acoustics of Liquids
	A. Kruss, J. Wiktor, J. Wiktor Jr., A. Tatarek <i>Acoustic detection of macroalgae in a dynamic Arctic environment (Isfjorden, West Spitsbergen) using single- and multi-beam echosounders</i>	M. Grochowina, L. Leniowska <i>Sensing and measurement of acoustic signal from an arterio-venous fistula</i>	E. Kruglenko, I. Korczak, J. Litniewski, B. Gambin <i>Ultrasound thermal effect enriched by adding of micro and nano particles to the agar-gel tissue mimicking materials</i>
17:40	K. Listewnik, R. Józwiak <i>Research on underwater communication modem with FSK modulation</i>	Ł. Fura, T. Kujawska <i>Experimental selection of exposure parameters for an ultrasound imaging-guided automated HIFU ablation system by using an array of thermocouples</i>	K. Kaczmarek, A. Józefczak, T. Hornowski <i>Heating induced by ultrasound in the presence of magnetic nanoparticles</i>
18:00	W. Szymczak, E. Kozaczka <i>Analysis of the structure of bottom sediments of the Gulf of Gdańsk based on acoustic images obtained with a parametric echosounder.</i>	H. Piotrkowska-Wróblewska, Z. Klimonda, K. Dobruch-Sobczak, P. Karwat, W. Secomski, J. Litniewski <i>Quantitative ultrasound for chemotherapy monitoring</i>	R. Bielas, A. Józefczak, Z. Rozynek <i>Ultrasonic studies on Pickering emulsion formation process</i>
18:20	J. Wunderlich, M. Endler, J. Lowag, Innomar Technologie GmbH <i>Using a Parametric 3D Sub-bottom Profiler for Wind Farm Site Explorations</i>	Michał Pakula <i>Ultrasound propagation in cancellous bone: theory and experiment.</i>	A. Boruń <i>Volumetric and acoustic properties of ionic liquid [bmim][BF4] in methanol and N,N-dimethylacetamide</i>
18:40		W. Secomski, Z. Klimonda, K. Majka, R. Olszewski, A. Nowicki <i>Sonothrombolysis - dissolving thrombi by interaction of the drug and ultrasound</i>	J. Safarov, R. Hamidova, E. Hassel <i>Derivation of Thermophysical, Caloric and Acoustic Properties of 1-butyl or 1-hexyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide at the wide range</i>
19:00 - 19:20			M. Dzida <i>Study of high pressure thermophysical properties of ionic liquids. Part II Acoustic method - advantages and disadvantages</i>
20:00	<i>Bankiet</i>		

CZWARTEK, 13.09.2018

9:00	<i>Wycieczka do skansenu Słowińców w Klukach (obiad w Karczmie u Dargoscha)</i>		
Godz.	Sala E (plenarna)	Sala B	Sala C - Polish-German Structural Session
16:00 - 16:40	Referat plenarny: Franciszek Witos - <i>Applications of the acoustic emission method for partial discharges research in selected elements and devices of electric power systems</i>		
	Akustyka wnętrz	Akustyka fizyczna	Psychological acoustics
16:50	J. Kotus, B. Kostek, A. Kurowski, P. Szczuko <i>A comparison of STI measured by direct and indirect methods for interiors coupled with sound reinforcement systems</i>	Ł. Gorazd, K. Kolber, A. Snakowska, J. Jurkiewicz <i>Analysis of sources of the in-duct acoustic pressure measurement errors</i>	J. Blauert <i>Feedback loops in models of the auditory system</i>
17:10	W. Mikulski <i>Speech intelligibility and A-weighted sound pressure level of speech during occasional connection of conference rooms</i>	K. Kolber, Ł. Gorazd, A. Snakowska <i>Determination of the reflection coefficient of the anechoic termination installed at a duct-like measuring set-up</i>	B. Kowalewski, T. May, M. Feręczkowski, J. Zaar, O. Strelcyk, E. MacDonald, T. Dau <i>Effects of fast-acting hearing-aid compression on audibility, forward masking and speech perception</i>
17:30	E. Nowicka <i>An index-based method for the assessment of the acoustic quality of public spaces</i>	W. Łapka, P. Kędzia <i>Acoustical helicoidal resonators connected in series inside straight cylindrical duct - numerical analysis of transmission loss and pressure drop</i>	P. Majdak, R. Baumgartner, B. Laback <i>Spatial hearing beyond the horizontal plane</i>
17:50	<i>Przerwa na kawę</i>		
	Akustyka wnętrz	Akustyka fizyczna	Psychological acoustics
18:20	A. Wilczura <i>The influence of workstations and office equipment setup on acoustic privacy in open space offices</i>	H. Lasota <i>What is acoustic and electromagnetic wave motion "governed by" ?</i>	A. Kohlrausch, A. Osses Vecchi <i>Perceptual evaluation of music similarity</i>
18:40	R. O. Neubauer <i>Determination of airborne sound insulation by reference curve method. Are reference curves still useful in the context of new building materials?</i>	K. Martinson, M. Majka, J. Rubacha, M. Senderecka, T. Kamiński, P. Zieliński <i>The dynamic response of the basal membrane to short acoustic pulses</i>	A. Miśkiewicz <i>Musician hearing enhancement: Where and when it occurs?</i>
19:00	A. Stelmach <i>Problems with classification of open plan office acoustic comfort using ISO 3382-3 single number quantities</i>		H. Hafke-Dys, A. Bręborowicz, P. Kleka, J. Kociński, A. Biniakowski <i>Effectiveness in the identification of respiratory system auscultation sounds.</i>
19:20			M. Wrzosek, A. Norena, A. Preis <i>New technologies in the treatment of tinnitus - modulation of sound amplitude in sound therapies</i>
19:40	<i>Kolacja</i>		

PIĄTEK, 14.09.2018

Godz.	Sala E (plenarna)	Sala B	Sala C - Polish-German Structural Session
9:00 – 9:40	Referat plenarny: Andrzej Nowicki et al. - The value of flow mediated dilation in prediction of vascular disorders		
	Psychoakustyka	Akustyka budowlana	Acoustical Imaging in Medicine
9:50	J. Żera <i>The Wald sequential test as an alternative statistical criterion in staircase adaptive procedures</i>	L. Kwapisz, P. Jakubowski, M. Radzieński <i>On some problems with vibroacoustic LDV measurements for windows</i>	K. V. Jenderka <i>Safety issues of novel ultrasound imaging modalities</i>
10:10	M. Jasiński, J. Żera <i>Inter-subject differences of head related transfer functions</i>	Ł. Nowotny <i>Weighted reduction of impact sound pressure level for floating floor, according to ISO standard and laboratory measurements</i>	J. Jenne <i>The potential of ultrasound for image guided therapies</i>
10:30	M. Majka, K. Martinson, T. Kamisiński, P. Zieliński <i>Duration time discrimination of ultrashort acoustic pulses</i>	J. Nurzyński <i>New acoustic classification scheme for residential buildings in Poland</i>	J. Du, G. Iori, H. Minh Nguyen, K. Raum <i>Assessment of cortical bone microstructure from backscattered waves</i>
10:50	<i>Przerwa na kawę</i>		
	Psychoakustyka	Akustyka budowlana	Acoustical Imaging in Medicine
11:20	R. Teraoka, S. Sakamoto, Z. Cui, Y. Suzuki, S. Shioiri <i>Influence of auditory selective attention on word intelligibility</i>	A. Vogel, O. Kornadt, C. Völker <i>Prediction of sound pressure levels in rooms using EN 12354</i>	A. Nowicki, B. Gambin, Z. Trawiński, W. Secomski, M. Szubielski, M. Parol, R. Olszewski <i>Ultrasonic Imaging of Radial Artery Reactive Response</i>
	Bioakustyka		
11:40	H. Pamuła, M. Kłaczyński <i>Comparison of different methods of acoustic signal detection for nocturnal birds monitoring project</i>	V. Wittstock <i>Sound power and sound insulation at low frequencies</i>	K. J. Opieliński, M. Celmer, R. Bolejko <i>Crosstalk effect in medical ultrasound tomography imaging</i>
12:00	P. Bilski, A. Krajewski, P. Witomski, P. Bobiński, M. Lewandowski <i>Acoustic data analysis for the assessment of wood boring insects' activity</i>		A. Józefczak <i>Theranostic nanoparticles for ultrasound imaging and therapy</i>
12:20			D. Cacko, M. Walczak, M. Lewandowski <i>Low-power ultrasound imaging on mixed FPGA/GPU systems</i>
12:40	Ceremonia zakończenia konferencji		
13:20	<i>Obiad</i>		