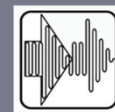


# CONFERENCE PROGRAM

 **Gdańsk, 19 - 22 June 2016**

<b>Wednesday, 22 June 2016</b>	
<b>9:00 – 10:40</b>	<b>Oral session V – Chair: Jacek Szuber</b>
9:00 – 9:30	Invited presentation: <u>Wojtek J. Bock</u> , Saurabh M. Tripathi, Mateusz Smietana, Marcin Koba <i>Long-period Fiber Grating Biosensors for Ultra Sensitive and Highly Selective Bacteria detection</i>
9:30 – 10:00	Invited presentation: <u>Christophe Gorecki</u> <i>Miniature Mirau interferometry for swept-source OCT imaging of skin pathologies</i>
10:00 – 10:20	<u>Teodor Gotszalk</u> , Magdalena Moczala, Piotr Kunicki, Michał Babij, Andrzej Sierakowski, Paweł Janus, Piotra Grabiec <i>Metrology and control of electromagnetic MEMS/NEMS devices</i>
10:20 – 10:40	<u>Paweł Janus</u> , Rafał Dobrowolski, Andrzej Sierakowski, Francesco Ivaldi, Piotr Grabiec, Jerzy Zając <i>Soft dielectric cantilevers with silicon tips for Atomic Force Microscopy applications</i>
<b>10:40 – 11:10</b>	<b>Coffee break</b>
<b>11:10 – 13:00</b>	<b>Oral session VI – Chair: Ryszard Jachowicz</b>
11:10 – 11:40	Invited presentation: <u>Piotr Grabiec</u> <i>Industry 4.0 challenges for microelectronic and sensor technologies</i>
11:40 – 12:00	<u>Jerzy Pluciński</u> , Katarzyna Karpienko <i>Response of a fiber-optic Fabry-Pérot interferometer to refractive index and absorption changes – modelling and experiments</i>
12:00 – 12:20	<u>Giulia Mazza</u> , Thomas Posniecek, Martin Brandl <i>Highly increased detection of silver stained protein bands in polyacrylamide gels with thermos-optical methods</i>
12:20 – 12:40	<u>Przemysław Struk</u> , Tadeusz Pustelny <i>Research of physical properties of TiO<sub>2</sub> nanolayers for integrated photonics applications</i>
<b>12:40</b>	<b>Conference closing</b>
<b>13:00 – 14:00</b>	<b>Lunch</b>



## Conference programme

Monday, 20 June 2016	
<b>9:00 – 9:15</b>	Ryszard Jachowicz, Piotr Jasiński – Conference opening
	Janusz Smulko – Welcome address
	Jerzy Weremczuk – Information about iCAN contest
	Ryszard Jachowicz – Information about IEEE
	Piotr Jasiński – Conference information
<b>9:15 – 10:55</b>	<b>Oral session I – Chair: Antoni Nowakowski</b>
9:15 – 9:45	Invited presentation: <u>Rabah Boukherroub</u> <i>Sensitive sensing using graphene-functionalized surface plasmon resonance (SPR) interfaces</i>
9:45 – 10:15	Invited presentation: <u>Chia-Ming Yang</u> , Wei-Yin Zeng, Tsung-Cheng Chen, and Chao-Sung Lai <i>Substrate thickness and roughness effect on light-addressable potentiometric sensor</i>
10:15 – 10:35	<u>Bartłomiej Guzowski</u> , Mateusz Lakomski, B. Słapek <i>Realization and characterization of fiber optic reflective sensor</i>
10:35 – 10:55	<u>Maria A. Peshkova</u> , Andrey V. Kalinichev, Konstantin N. Mikhelson <i>Assessing individual ion activity with the ion-selective bulk optodes</i>
<b>11:00 – 13:00</b>	<b>Poster session I</b>
<b>13:00 – 14:00</b>	<b>Lunch</b>
<b>14:00 – 22:00</b>	<b>Excursion</b> - Kashubian Lake District, Szymbark

Tuesday, 21 June 2016	
<b>9:00 – 11:05</b>	<b>Oral session II – Chair: Leszek Golonka</b>
9:00 – 9:30	Invited presentation: <u>Uwe Partsch</u> , Steffen Ziesche, Markus Eberstein, Adrian Goldberg <i>Ceramic Multilayer Technology for Sensor and Microsystems Applications</i>
9:30 – 10:00	Invited presentation: <u>Eduard Llobet</u> , Manuel Domínguez-Pumar <i>Gas nanosensors employing tungsten oxide nanowires synthesized via aerosol-assisted CVD: Results under constant or modulated temperature modes</i>
10:00 – 10:30	Invited presentation: Monika Kwoka, <u>Jacek Szuber</u> <i>The main advantages and crucial limitations of tin dioxide SnO<sub>2</sub> gas sensors performance</i>
10:30 – 10:50	<u>Rafał Walczak</u> , Krzysztof Adamski <i>3D printing for lab-on-a-chip technique</i>

10:50 – 11:05	<u>Paweł Kalinowski</u> , Łukasz Woźniak, Grzegorz Jasiński, Piotr Jasiński <i>Extraction and evaluation of gas-flow-dependent features from dynamic measurements of gas sensors array</i>
<b>11:05 – 13:00</b>	<b>Poster session II</b>
<b>13:00 – 14:00</b>	<b>Lunch</b>
<b>14:00 – 15:20</b>	<b>Oral session III – Chair: Katarzyna Zakrzewska</b>
14:00 – 14:30	Invited presentation: <u>Takeo Miyake</u> <i>Bioprotonic devices: bioprotonic transistors, memory and enzyme logic</i>
14:30 – 15:00	Invited presentation: <u>Dorota G. Pijanowska</u> <i>Nucleic acids – excellent recognition elements for biosensors applications</i>
15:00 – 15:15	<u>Michał Sobaszek</u> , Marcin Strąkowski, Paweł Niedziałkowski, Mirek Sawczak, Katarzyna Siuzdak, Robert Bogdanowicz, Jerzy Pluciński, Greg M. Swain <i>Electrochemical and spectroelectrochemical investigation of Isatin - the potential stress biomarker sensor</i>
<b>15:15 – 15:45</b>	<b>Coffee break</b>
<b>15:45 – 17:20</b>	<b>Oral session IV – Chair: Jan Dziuban</b>
15:45 – 16:05	Review presentation: <u>Jan A. Dziuban</u> , Anna Górecka-Drzazga, Paweł Knapkiewicz, Tomasz Grzebyk <i>From CPT to cooled-atom MEMS atomic microclock</i>
16:05 – 16:35	Invited presentation: <u>Anna Górecka-Drzazga</u> <i>High vacuum MEMS instruments</i>
16:35 – 16:50	<u>Jan A. Dziuban</u> , Anna Górecka-Drzazga, <u>Michał Krysztof</u> , Tomasz Grzebyk <i>Integrated transmission electron microscope on-chip</i>
17:50 – 17:05	<u>Tomasz Grzebyk</u> <i>Development of the MEMS ion-sorption vacuum pump</i>
17:05 – 17:20	<u>Piotr Szyszka</u> , Tomasz Grzebyk, Anna Górecka-Drzazga <i>Integration of MEMS electron source with MEMS vacuum pump</i>
<b>from 17:30</b>	<b>PTTS general assembly</b>
<b>19:30 – 23:00</b>	<b>Gala dinner</b>