

INTERNATIONAL SOPOT YOUTH CONFERENCE

Entitled: WHERE THE WORLD IS HEADING

Institute of Oceanology Polish Academy of Sciences
Powstancow Warszawy 55, Sopot

25 May 2018

Agenda

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| 8:15 – 9:00 | Registration |
| 9:00 – 9:10 | Welcome by <i>Jan Marcin Weslawski, IO PAN Director</i> and <i>Tymon Zielinski, IO PAN, Sopot Science Association Chairman</i> |
| 9:10 – 9:35 | The growth of EMI and implications for lecturers/teachers.
<i>Colin Campbell, University of Reading</i> |
| 9:35 - 10:50 | Session I: Natural Sciences and Polar Studies
Session Chairs: <i>Anna Makarewicz, Anna Pouch</i> |
| 9:35 – 9:50 | Spatial and temporal variability of High Arctic glacier's ablation based on example of the Waldemarbreen and Irenebreen, Svalbard.
<i>Marta Majerska, et. al., Nicolaus Copernicus University</i> |
| 9:50 – 10:05 | Mesoscale variability of zooplankton in Isfjorden (high Arctic fjord).
<i>Weronika Patuła, Marta Ronowicz, Agata Weydmann, University of Gdansk, IO PAN</i> |
| 10:05 – 10:20 | Earth sciences in forensic investigations – topic full of contradictions.
<i>Joanna Michalak, Nicolaus Copernicus University</i> |
| 10:20 – 10:35 | Sea Spray Aerosol as the Climate Factor in the Modern Society Awareness.
<i>Katarzyna Dziembor, Piotr Markuszewski, University of Gdansk, IO PAN</i> |
| 10:35 – 10:50 | Manifestations of shallow gas in acoustic imaging for sediments of the Gdańsk Basin and changes of their occurrence in years 2011-2017.
<i>Damian Jaśniewicz, et.al., IO PAN, University of Gdansk</i> |
| 10:50 – 11:00 | Coffee break |
| 11:00 – 12:30 | Session II: Social Sciences
Session Chairs: <i>Dominika Janus</i> |
| 11:00 – 11:15 | The Second Life: a Gift or a Curse?
<i>Anna Bury, University of Gdansk</i> |
| 11:15 – 11:30 | Where does depression lead the humanity?
<i>Justyna Piątek, Małgorzata Łyczakowska, Natalia Głowacka, University of Gdansk</i> |
| 11:30 – 11:45 | The Gender-Benders Are Here.
<i>Kinga Erzepki, University of Gdansk</i> |

- 11:45 – 12:00 **Jobs of the future.**
Kinga Wasilewska, Zofia Falkowska, University of Gdansk
- 12:00 – 12:15 **Where the World is Heading. About the forgotten world of reality.**
Kinga Wodzińska, University of Gdansk
- 12:15 – 12:30 **The Complexity of Racial Issues Based on Implicit Bias and Social Justice Warriors.**
Zuzanna Czubacka, Anita Pogorzelska, Marta Kot, University of Gdansk
- 12:30 – 13:15 Session III: 1 minute poster presentations**
Session Chairs: Magdalena Krajewska, Paulina Pakszys
- 13:15 – 14:00 Lunch**
- 14:00 – 15:15 Session IV: Natural Sciences I**
Session Chairs: Marta Konik
- 14:00 – 14:15 **The tune of your heartbeat – the secret of 432 Hz.**
Klaudia Szmidt, Neofilologye Artistic Institution Management
- 14:15 – 14:30 **Monitoring of Infrastructure in the era of big data.**
Rohan Soman, Wiesław Ostachowicz, Institute of Fluid Flow Machinery, PASci
- 14:30 – 14:45 **Various health measurement techniques in structural engineering.**
Kaleeswaran Balasubramaniam, et.al., Institute of Fluid Flow Machinery, PASci
- 14:45 – 15:00 **Space microbiology.**
Ewelina Prochwicz, University of Warsaw
- 15:00 – 15:15 Coffee break**
- 15:15 – 16:15 Session V: Natural Sciences II**
Session Chairs: Marta Skowron Volponi, Agnieszka Necel
- 15:15 – 15:30 **Bacterial multipartite genomes - going towards the light?**
Aleksandra Pawłot, Dariusz Bartosik, University of Warsaw
- 15:30 – 15:45 **Investigating the molecular mechanism of Hsp70-J-domain interaction.**
Igor Grochowina, et.al., Intercollegiate Faculty of Biotechnology UG&MUG, Gdansk University of Technology
- 15:45 – 16:00 **Potential antimicrobial effects of lip secretions in genus Maxillaria sensu lato (Orchidaceae, Maxillariinae)**
Monika Lipińska, Łukasz Haliński, Dariusz Szlachetko, University of Gdansk
- 16:00 – 16:15 **Quo vaditis antibiotics - can murein hydrolases replace you?**
Rafał Ostrowski, Magdalena Popowska, University of Warsaw
- 16:15 – 16:30 Coffee break**
- 16:30 – 17:30 Session VI: Natural Sciences III**
Session Chairs: Karolina Pierzynowska i Estera Rintz
- 16:30 – 16:45 **Antibiotic resistance – where this uneven fight heading?**
Katarzyna Ścibek, University of Warsaw

- 16:45 – 17:00 Phage cocktail against *Salmonella enterica*: isolation and characterisation of bacteriophages, cocktail creation and obstacles along the way.
Katarzyna Kosznik-Kwaśnicka, et. al., University of Gdansk, Alexandru Ioan Cuza University
- 17:00 – 17:15 A 130-Year-Old Specimen Brought Back to Life: A Lost Species of Bee-Mimicking Clearwing Moth, *Heterosphecia tawonoides* (Lepidoptera: Sesiidae: Osminiini), Rediscovered in Peninsular Malaysia’s Primary Rainforest.
Marta A. Skowron Volponi, Paolo Volponi, University of Gdansk
- 17:15 – 17:30 The effectiveness of phage cocktail in eradication of various *Salmonella enterica* serovars under laboratory conditions.
Łukasz Grabowski, et. al., University of Gdansk
- 17:30 – 18:20 Session VII: Poster presentations**
- 18:20 – 18:50 Jury proceedings**
- 18:50 Announcement of the results of the best presentation contest and the awards ceremony.**
- 20:00 Afterparty in Club Atelier (Sopot, ul. Mamuszki 1, near Hotel Grand)
All participants are welcome!**