



# INTERNATIONAL SOPOT YOUTH CONFERENCE

## Entitled: WHERE THE WORLD IS HEADING

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

7 June 2019

### Agenda

- 8:15 – 9:00**                    **Registration**
- 9:00 – 9:10**                    **Welcome by *Jan Marcin Węslawski, IO PAN Director*  
and *Tymon Zielinski, IO PAN, Sopot Science Association Chairman***
- 9:10 – 9:35**                    **Oceans under pressure - Why observing the ocean is critical for society?  
*Vincente Fernández, EuroGOOS Science Officer***

### Parallel Sessions I

- 9:35 - 10:50**                    **Session I: Natural Sciences**  
**Session Chairs: *Monika Normant-Saremba, Paulina Pakszys***
- 9:35 – 9:50                    Modelling dynamic interactions between sea ice and icebergs.  
*Maciej Dojczman, Agnieszka Herman, University of Warsaw, University of Gdansk*
- 9:50 – 10:05                    Observations of the recent algae bloom dynamics in the Baltic Sea based on the MODIS  
AQUA ocean colour sensor.  
*Marta Konik, Mirosław Darecki, IO PAN*
- 10:05 – 10:20                    Role of sediments in functioning of the Baltic Sea ecosystem – the return fluxes of C, N,  
P.  
*Monika Lengier, et. al., IO PAN, University of Gdansk*
- 10:20 – 10:35                    Antarctic bacteria and their metabolites in biotechnology.  
*Michał Styczyński, et. al., University of Warsaw*
- 10:35 – 10:50                    Where does the methane in the Sea of Galilee come from?  
*Klaudia Kusek, et. al., University of Gdansk, Kinneret Limnological Laboratory, Israel*
- 9:35 - 10:50**                    **Session I: Humanities and Social Sciences**  
**Session Chairs: *Izabela Kotynska-Zielinska, Dorota Majewicz***
- 9:35 – 9:50                    Relationship between dimensions of grandiose narcissism and Facebook addiction  
among university students.  
*Julia Maria Balcerowska, University of Gdansk*
- 9:50 – 10:05                    Detrimental side of compulsive studying: associations between study addiction and  
satisfaction with sexual life.  
*Michał Biernacki, et. al., University of Gdansk*



10:05 – 10:20

Do Messaging Apps and Social Media Make Us Grow Apart?

Anna Bury, *University of Gdansk*

10:20 – 10:35

Social Media Influencers—Scandal or Business Oriented Celebrities?

Natalia Głowacka, Małgorzata Łyczakowska, Justyna Piątek, *University of Gdansk*

10:35 – 10:50

Agency-Communion model of narcissism and empathy.

Artur Sawicki, *University of Gdansk*

**10:50 – 11:00**

**Coffee break**

### Parallel Sessions II

**11:00 – 12:30**

**Session II: Natural Sciences**

**Session Chairs: Marc Silberberger, Karolina Pierzynowska**

11:00 – 11:15

The modelling of helium embrittlement in Fe-Cr alloys for fusion applications.

Marcin Roland Zemła, *et. al.*, *Warsaw University of Technology*

11:15 – 11:30

Molten carbonate fuel cell as a solution for environment pollution.

Aleksandra Łysik, Tomasz Wejrzanowski, *Warsaw University of Technology*

11:30 – 11:45

Labile and stabile mercury in Harris mud crab (*Rhithropanopeus harrisi*) from the southern Baltic Sea – considerations for a role of non-native species in the food web.

Barłomiej Wilman, *et. al.*, *University of Gdansk*

11:45 – 12:00

Propagation of the Vistula's freshwater into the Gulf of Gdańsk: how diatoms successfully track it down?

Jarosław Pędziński, Małgorzata Witak, *University of Gdansk*

12:00 – 12:15

Observed and modelled wind wave steepness.

Aleksandra Cupiał, Witold Cieślakiewicz, *University of Gdansk*

12:15 – 12:30

Why do we need *Zostera* meadows?

Natalia Miernik, *et. al.*, *University of Gdansk*

**11:00 – 12:15**

**Session II: Humanities and Social Sciences**

**Session Chairs: Dorota Majewicz, Natalia Treder-Rochna**

11:00 – 11:15

The influence of the author's personality on the translation of popular science literature on the example of "Prisoners of Geography" by Tim Marshall.

Filip Filipowski, *Ateneum-University in Gdansk*

11:15 – 11:30

The Cognitive Aspects of Literature in the Conception of Philip Kitcher.

Iwona Szydłowska, *University of Gdansk*

11:30 – 11:45

Humanity for exchange? Technological and scientific progress and the nature of man in the writing of Stanisław Lem.

Marcin Kochanowski, *University of Gdansk*

11:45 – 12:00

From Climate Change to Ecocide: Neologisms of the Anthropocene.

Dorota Skowrońska, *Ateneum-University in Gdansk*



12:00 – 12:15

World Press Photo – between the aesthetics and the ethics.

Maja Bienkowska, *University of Gdansk*

### Plenary presentations

12:30 – 12:40

**Presentation of SAPEA - Science Advice for Policy by European Academies.**

12:40 – 12:50

**Presentation of the Marie Curie Alumni Association.**

12:50 – 13:00

**Presentation by EuroGOOS, the European Global Ocean Observing System.**

### Poster Session I

13:00 – 13:30

**1 minute poster presentations.**

**Session Chairs: Marta Konik, Natalia Szymańska**

13:30 – 14:15

**Lunch**

### Parallel Sessions III

14:15 – 15:45

**Session III: Natural Sciences**

**Session Chairs: Grzegorz Węgrzyn, Marta Konik**

14:15 – 14:30

Was the type of soil determinant during setting up cemeteries in Kuyavian-Pomeranian Voivodeship?

Joanna Michalak, *Nicolaus Copernicus University*

14:30 – 14:45

Technogenic soils developed under the influence of industry in Inowrocław: Formation of various types of technogenic material and their ecological significance.

Sylwia Pindral, Piotr Hulisz, *Nicolaus Copernicus University*

14:45 – 15:00

Laser surface treatment for biomedical applications.

Donata Kuczyńska-Zemła, *et. al.*, *Warsaw University of Technology*

15:00 – 15:15

The effect of genistein on anxiety related behaviors in R6 / 1 mice constituting genetically modified model of Huntington's disease.

Estera Rintz, *et. al.*, *University of Gdansk*

15:30 – 15:45

A damage study of structures using Electromechanical Impedance Method.

Shishir Kumar Singh, *et. al.*, *Institute of Fluid Flow Machinery, Polish Academy of Sciences*

14:15 – 15:15

**Session III: Humanities and Social Sciences**

**Session Chairs: Dominika Janus, Izabela Kujawa**

14:15 – 14:30

The World Hates the Homeless.

Karolina Morawska, Aleksandra Rumińska, *University of Gdansk*

14:30 – 14:45

Prisoner society.

Zuzanna Czubacka, Marta Kot, *University of Gdansk*

14:45 – 15:00

Validation of original socioeconomic uncertainty scale.

Piotr Drobczyński, Paweł Mechliński, *et.al.*, *University of Gdansk*



15:00 – 15:15

The phenomenon of megapolization and gigapolization in the global urban network in the years 1950 - 2015.

Mirosław Wylon, *Nicolaus Copernicus University*

15:30 – 15:50

**Coffee break**

#### Parallel Sessions IV

15:50 – 17:20

**Session IV: Natural Sciences**

**Session Chairs: Luca Ferrero, Tomasz Kijewski**

15:50 – 16:05

The development of antibiotic resistance of Salmonella enterica serotype Typhimurium under laboratory conditions.

Karolina Borowska, *et. al.*, *University of Gdansk*

16:05 – 16:20

The differences in phage life cycle depending on growth conditions of the host and host serotype.

Karolina Ciemińska, *et.al.*, *University of Gdansk, University of Sassari, Italy, Institute of Biochemistry and Biophysics, Polish Academy of Sciences*

16:20 – 16:35

Riboswitches – a drop in the ocean of regulatory RNAs in bacteria.

Katarzyna Ścibek, *University of Warsaw*

16:35 – 16:50

Antibacterial properties of Actinobacteria.

Klaudia Dhuszczakowska, *et. al.*, *University of Gdansk, Institute of Biochemistry and Biophysics, Polish Academy of Sciences*

17:05 – 17:20

A glimpse into the bacterial biocide resistance.

Magdalena Ładziak, *Agata Krawczyk-Balska, University of Warsaw*

16:00 – 17:15

**Session IV: Humanities and Social Sciences**

**Session Chairs: Katarzyna Kukowicz-Żarska, Dorota Majewicz**

16:00 – 16:15

Relationships make young women miserable? Satisfaction with sexual life, relationship status and quality of life among young women and men.

Aleksandra Leniec, *Paweł Aroszko, University of Gdansk*

16:15 – 16:30

Proto-mentality and panpsychism - the spiritualistic consequences of physicalism. The mind-body problem and the issue of personal identity; prerequisites for integrating duality.

Michał Biedziuk, *University of Gdansk*

16:30 – 16:45

Psychological functioning of people with different number of irritable bowel syndrome symptoms.

Monika Mokosińska, *University of Gdansk*

16:45 – 17:00

The Gender-Benders Are Here: A One-Year Update.

Kinga Erzepki, *University of Gdansk*

17:00 – 17:15

Relations between personality factors and the expression of emotions by using emojis in depression.

Konstancja Szarek, *University of Gdansk*



**17:20 – 18:00**

**Poster Session II: Poster presentations**

**18:00 – 18:30**

**Jury proceedings**

**18:30**

**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!**