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Space Sciences Committee Polish Academy of Sciences / Gdańsk Branch

in cooperation with

Baltic Sea & Space Cluster and Polish Space Agency (POLSA) invite for conference:

## **Smart Port. The merged sea & space network**

**24th September 2020**

Gdynia - University of Business and Administration in Gdynia  
ul. Kielecka 7, 81-303 Gdynia

### **AGENDA**

#### **09:30 Registration**

**10.00-11.00 Opening Session - moderator: Prof. Edmund Wittbrodt, Chair of the Space Sciences Committee, Polish Academy of Sciences, Gdansk Branch; Gdańsk University of Technology**

1. Welcome by PhD Wojciech Szczurek - Major of the Gdynia City.
2. Welcome by Prof. Marek Grzybowski - President of the Board, Baltic Sea & Space Cluster.
3. The concept of sustainable development of Gdynia smart city - Bartosz Bartoszewicz, Vice-Major of the Gdynia City.
4. GALATEA - Grow and accelerate your smart projects in new value chains of the European Blue Economy - Océane Le Bot, Project Manager, Pôle MerMéditerranée.
5. ECOPRODIGI - Navigating towards a sustainable future for maritime industry - Milla Harju, Project Manager, Pan-European Institute at the University of Turku.

#### **11:00-12:30 "Young Stars" Session - moderator: PhD Paweł Chyc**

1. Drones in the service of sea ports - Mateusz Dyrda, Robotics Association SKALP.
2. Space projects for Young Stars - Agnieszka Elwertowska, PW-Sat 3 Project.
3. From Eugeniusz Kwiatkowski to the autonomous external port - Krystian Zagrobelny, University of Business and Administration in Gdynia.
4. Promoting the idea of space exploration - Daria Malanowska, MySpace Foundation.
5. Unmanned aerial systems for harbour's critical infrastructure monitoring - Sebastian Nowicki, COO - Pelixar S.A.
6. Polish technical thought in space - Adam Dąbrowski, Gdansk University of Technology.

#### **Contact:**

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7. Producer's liability for damage to port infrastructure in autonomous seaports - Adam Labuhn, University of Business and Administration in Gdynia.

#### 12:30 -13:00 Coffee break

#### 13:00 -14:30 Smart Port Applications' Session - moderator: Prof. Marek Grzybowski

1. Smart Port Gdynia solutions - Beata Szymanowska, Department Manager, Technology Research and Development Department, Port of Gdynia.
2. Smart Port Gdańsk solutions - Wiktor Szypiłow, Filip Ręczmin, Port of Gdańsk.
3. Smart Solutions in the Port of Hamburg - Maciej Brzozowski, Port of Hamburg, Director of the branch in Poland.
4. Intelligent data collection and analysis system for air pollution monitoring, risk assesment and predictions - Marta Wenta, Data Scientist & Product Manager, SeaData.
5. Using Virtual Reality to Improve Port Equipment Operators Training - Tomasz Lisiecki, Chairman Of The Board, New Competencies Center.

#### 14:30-15:00 Lunch

#### 15:00 - 16:00 Research Session - moderator: Prof. Zdzisław Brodecki

1. Spatial planning and development in Polish seaports - Prof. Tomasz Bąkowski, University of Gdańsk.
2. Maritime spatial planning of Polish maritime areas - Prof. Maciej Nyka, University of Gdańsk.
3. Impact of "Revolution 4.0" on the development of port transport hubs - Prof. Bohdan Jeliński, University of Business and Administration in Gdynia.
4. Innovative security infrastructure of the port of Gdynia - PhD Wojciech Wosek, Phd Ewelina Parysek, Paweł Wawrzyniak, University of Business and Administration in Gdynia.
5. Problems of offshore pipelines on the Baltic Sea – PhD Magdalena Konopacka, *University of Oslo*, University of Business and Administration in Gdynia.
6. Financial security issues – Prof. Andrzej Drwiłło, PhD Anna Reiwer-Kaliszewska, University of Business and Administration in Gdynia.
7. Human psychology in outer space. – Prof. Marcin Dornowski, Gdansk University of Physical Education and Sport

#### 16:30 Discussion and closing remarks - Prof. Edmund Wittbrodt.

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