



# 16th Polish American Conference on Science and Technology

16-17 May 2016, Institute of Aviation, Warsaw

## AGENDA



### Monday 16 May 2016

08:00 Registration and buffet breakfast

08:30 **Opening remarks: Moderated by Rafał Kajka, Deputy Director of the Institute of Aviation**

**Witold Wiśniowski**

**Institute of Aviation**

**Mike Benzakein**

**Ohio State University**

Signing of the Dual PhD agreement between Ohio State University and the Institute of Aviation

**Minister Jerzy Kwieciński**

**Ministry of Economic Development**

**Kathleen Morenski**

**U.S. Embassy**

**Rafał Kajka**

**Institute of Aviation**

### Aerospace Technologies Session: Moderated by Professor Piotr Wolański

09:30 **Jen Pinson** **Business General Aviation, GE Aviation**

*Additive Manufacturing in Aviation*

10:00 **Mike Benzakein** **Ohio State University**

*Electric Propulsion: Challenges and Opportunities*

10:30 **Łukasz Romaniuk and Tomasz Pancewicz** **GE Aviation, Poland**

*Predix, Digital Technologies and Analytics*

11:05 **Massimiliano Di Domenico** **GE Aviation Germany**

*Clean Sky 2 programs at GE Aviation*

11:35 Break

11:50 **Alan Epstein** **Pratt & Whitney**

*The Future of Sustainable Commercial Propulsion*

12:20 **Paweł Buczek** **GE Aviation Poland**

*Aviation Turbo-prop CoE in Europe.*

13:00 **Aleksander Szymandera** **GE Aviation, Poland**

*Pitch Change Mechanism for Open Rotor Engine*

13:15 Lunch

14:15 **Discussion panel moderated by Professor Roman Domański,**  
*Perspectives and opportunities for accelerating Polish-American cooperation in Science and Technology*

### Energy and Environment Session Part 1: Moderated by Professor Roman Domański

15:00 **Minister Michał Kurtyka** **Ministry of Energy**

*New technologies in Energy*

15:30 **Jeff Bielicki** **Ohio State University**

*Producing Geothermal Energy with Sequestered Carbon Dioxide*

16:00 Break

16:15 **Lech Grzesiak** **Warsaw University of Technology**

*Selected solutions of electrical drives for land and air vehicles*

16:45 – 17:15 **Dorota Grejner-Brzezinska** **Ohio State University**

*50 years of accelerating tomorrow: from GPS to GNSS and beyond*



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### Tuesday 17 May 2016

08:30 Buffet breakfast, registration

#### Energy and Environment Session Part 2: Moderated by Professor Roman Domański

- 09:00 **Minister Andrzej J. Piotrowski** Ministry of Energy  
*Dynamic Strategy of Polish Energy Sector*
- 09:30 **Michał Małecki** GE Power Poland  
*Gas Turbine Center, innovation and competencies evolution based on colocation and synergy*
- 10:00 **Piotr Steckowicz** GE Power Poland  
*Repair Development Center - Industrialization of New Repairs across GE global repair centers*
- 10:20 **Karol Leszczyński and Barbara Toczek** GE Power Poland  
*Gas Turbine Development based on new GE H class*
- 10:40 **Rafał Stocki** Institute of Aviation  
*Digital Power Plant*
- 11:00 Break

#### Defense and Security Session: Moderated by Professor Adam Wiśniewski

- 11:15 **Michał Wierciński** Polish Armaments Group PGZ  
*The Polish Armaments Group in the Space and Satellite Technologies Domain*
- 11:45 **William Power** Lockheed Martin Aeronautics  
*Strategic Thinking in a Connected World*
- 12:15 **Chris Gehler** Bell helicopters  
*Advanced Tilt Rotor concepts*
- 12:45 Lunch and poster session

#### Technology Education Session: Moderated by Professor Zdobysław Goraj

- 14:15 **Don Hempson** Ohio State University  
*Manufacturing Global Engineers*
- 14:45 **Grzegorz Robak** Ministry of Science and Higher Education  
*Preparation of human resources for the innovative economy*
- 15:15 Break
- 15:30 **Paul D. Orkwis** University of Cincinnati  
*Globalization and Cooperative Education in Aerospace Engineering at the University of Cincinnati*
- 16:00 **Tadeusz Uhl** AGH University of Science and Technology  
*Cross disciplinary education; way to educate new era engineers*
- 16:30 **Mirosław Sobaniec** GE Aviation Poland  
*Engineer 2025 - new trends in technical education*
- 17:00 – 17:30 Closing remarks