

20th Polish-American Conference on Science and Technology

Conference Agenda (as of 23.06.2021 v16)

Conference Chairman: Professor Roman Domański

Thursday June 24 - Day 1

Welcome Address and Opening Session

14:00 CET 08:00 EDT	10	95th Anniversary of Łukasiewicz-Institute of Aviation Director Paweł Stężycki - Łukasiewicz-Institute of Aviation
	10	20th Anniversary of the Polish-American Conference on Science and Technology Professor Mike Benzakein - Ohio State University
	10	Marcin Kraska - Vice President of Łukasiewicz Research Network for Research and Development
	10	Neil Pickett - Deputy Senior Commercial Officer, U.S. Embassy
	10	Marian Lubieniecki - Chairman of the Management Board, Managing Director, GE Aviation

SESSION 1

Moderated by Professor Krzysztof Szafran

14:50 CET 08:50 EDT	20	Hybrid Energy System. Energy Conversion and Storage. Professor Roman Domański - Łukasiewicz-Institute of Aviation
15:10 CET 09:10 EDT	20	Impact of pandemic on Engineering at Ohio State, past and future Dr. Rachel Kleit, Associate Dean for Faculty Affairs at OSU
15:30 CET 09:30 EDT	20	Technology demonstrators of small UAVs designed and developed in the Institute of Aviation Technology of the Military University of Technology Dr. Eng. Robert Rogólski - WAT - Military University of Technology
15:50 CET 09:50 EDT	20	Center of Automotive Research Dr. Marcello Canova and Dr. Matilda D'Arpino, Professors at OSU
16:10 CET 10:10 EDT	15	15 minute Break

SESSION 2

Moderated by Professor Grzegorz Socha

16:25 CET 10:25 EDT	20	Cooling Problems for Heavy Loaded Electric Engines Jakub Kapusciński - Łukasiewicz-Institute of Aviation
16:45 CET 10:45 EDT	20	Center of High Power Electronics Dr. Jin Wang & Julia Zhang, Professors at OSU
17:05 CET 11:05 EDT	20	Electric VTOL lightweight power distribution system (EPDS) Andrzej Tarnowski - PW - Warsaw University of Technology
17:25 CET 11:25 EDT	20	Space Programs Dr. John Horack, Senior Associate Dean at OSU
17:45 CET 11:45 EDT		End of Day 1

Friday June 25 - Day 2

SESSION 3

Moderated by Professor Andrzej Leski

14:00 CET 08:00 EDT	20	OSU Students Yearly Program at the Institute of Aviation Ms. Heather Spisak, Executive Assistant in Aerospace & Aviation Research (OSU)
14:20 CET 08:20 EDT	20	Local stall regions investigation in the BLI turbofan engine Grzegorz Krysztofiak - Łukasiewicz-Institute of Aviation
14:40 CET 08:40 EDT	20	NASA University Led Initiative " Electric Propulsion, Challenges and Opportunities" Dr. Mike Benzakein, AVP Aerospace & Aviation Research at OSU
15:00 CET 09:00 EDT	20	Approach to in-situ diagnostic of aircrafts and unmanned aerial systems with the embedded sensors and advanced signal processing. Professor Krzysztof Dragan - ITWL - Air Force Institute of Technology
15:20 CET 09:20 EDT	15	15 minute Break

SESSION 4

Moderated by Dr. Eng. Adam Okniński

15:35 CET 09:35 EDT	20	Thermal Management for Electric Machines Dr. Patrick McCluskey, Professor at the University of Maryland
15:55 CET 09:55 EDT	20	Development of Competences in the Area of Rocket Technologies Based on the ILR-33 AMBER 2K Project Michał Pakosz - Łukasiewicz-Institute of Aviation
16:15 CET 10:15 EDT	20	Engine Airplane Integration Dr. Anna Misley, Post-Doc at OSU
16:35 CET 10:35 EDT	20	Development of off-line phosphor thermometry for rocket engines - principles and progress Wit Stryczniewicz - Łukasiewicz-Institute of Aviation
16:55 CET 10:55 EDT	20	The instrumentation of the missions to the outer Solar System ocean worlds – sources of astrobiological data and challenges in the future development Jan Kotlarz - Łukasiewicz-Institute of Aviation
17:15 CET 11:15 EDT		Closing remarks

End of Day 2