Conference Program : Energy, Fuels and Environment (EFE 2022) 21.09.2022

Poster session : 9:00-10:00, plenary sessions (10:00 -17:00)

10^{00}-10^{20} Welcome and opening of the EFE 2022 conference

Plenary session 1

No	*Time*	*Presenter*	*Institution*	*Topic*
1	10^{25} –10^{50}	Diego Pavia	CEO Inno Energy	
2	10^{50} -11^{15}	Krzysztof Fal	Ministry of Climate and Environment, Warsaw, Poland	
3	11^{15} - 11^{40}	Stanisław Tokarski	AGH University of Science and Technology, Cracow	*Impact of Fit for 55 and Repower EU proposals on power generation sector in Poland*
		Coffee break		
4	12^{00}–12^{25}	Artur Wyrwa , Maciej Raczyński, Wojciech Suwała, Marcin Pluta, Janusz Zyśk	AGH University of Science and Technology, Cracow	*Analysis of the potential to increase Poland's energy security while giving up energy imports from Russia*
5	12^{25} – 12^{50}	Waldemar Szulc/ Michał Jabłoński	Polish Power Plants Association	*Application of "200+" NCBR Program in coal units after 2025*
6	12^{50}– 13^{15}	Wojciech Nowak	AGH University of Science and Technology, Cracow	*Hydrogen Energy Transition*
7	13^{15}-13^{40}	Janina Molenda	AGH University of Science and Technology, Cracow	*Energy storage in the era of Energy transformation. Can sodium batteries compete with lithium batteries?*

Lunch 13^{45}-14^{45}

Plenary session 2

No	*Time*	*Authors*	*Institution*	*Topic*
8	**15^{00}-15^{30}**	**Michel Cassir**	**PSL Research University, Chimie ParisTech, France**	***Challenge of hydrogen and carbon dioxide in the energetic paradigm: case of devices based on molten carbonates***
9	**15^{30}-16^{00}**	**Krzysztof Badyda**	**Warsaw University of Technology, Faculty of Power and Aeronautical Engineering, Institute of Heat Engineering**	***History and State of the Art of Hydrogen and its Use in Gas Turbines***
10	**16^{00}-16^{30}**	**Jan Taler**	**PK University of Technology Cracow, Poland**	***Mathematical modeling of cross-flow tube heat exchangers***
11	**16^{30}-17^{00}**	**Sandro Nizetic**	**University of Split, Croatia**	***The role of photovoltaic technologies in energy transition***
12	**17^{00}-17^{30}**	**Piotr Dzierwa, Patryk Peret, Jan Taler, Marcin Trojan, Dawid Taler**	**PK University of Technology Cracow, Poland**	***The energy and economic analysis of flue gas heat recovery systems improving the energy efficiency of gas cogeneration units***