



# PCHET 2020

## On-line Edition

### Agenda

Area 1	Good practices
Area 2	National strategies and implementation
Area 3	Mechanisms to support development
Area 4	Legislation
Area 5	Innovations

**28<sup>th</sup> September 2020 - PCHET's Technological section  
and  
29<sup>th</sup> September 2020 – The main conference event**

15:00 - 18:00	September 28 <sup>th</sup> Scientific and technological section and discussion panels				
	Electric motors or hydrogen internal combustion engines Moderated by Prof. M Brzeżański				
15.00 - 16.30	Jesper Thomsen BALLARD  Comparative assessment of batteries vs. fuel cells in the electrification of mobility	Prof Marek Brzeżański Cracow University of Technology  Internal combustion engines for pure hydrogen /gas mixture	Pedro Bravo  Keyou  Hydrogen internal combustion engines for buses	Dr. Piotr Bielaczyc Institute of Automotive Research and Development BOSMAL Sp. z o.o.  Testing methodologies for electric drives for cars	Dr. Andrzej Szalek Toyota Motor Poland  Hybrid, fuel cell and electric car manufacturer's experience – Toyota case study
16.40 - 18.00	Railway dedicated session Moderated by Prof. Tadeusz Uhl				
	PKN ORLEN  Designing of hydrogen locomotive	Prof. Tadeusz Uhl AGH and EC Engineering  Hydrogen fuel of the future for rail transportation.	Witold Gadoś Siemens Mobility  Siemens Mobility, - Experience In fuel cell In locomotive		
10:00	September 29 <sup>th</sup> – The main conference event				
10:00	Opening and greetings				
	Ministry of Climate Representative (TBC)	Marshal of the Pomeranian Voivodeship	President of City of Gdynia	President of RIGP – Representative of the Cluster of Hydrogen and Clean Technologies	
10:45	European section - Hydrogen in Europe				
	Frans Timmermans (TBC)  The potential of hydrogen energy to transform Europe's energy landscape		President of PKN Orlen (TBC) The role of hydrogen in the Polish economy		
11:45	The strategies of Polish Champions				
	LOTOS - Hydrogen Road Map  Will LOTOS introduce electrolysis hydrogen into refinery processes?	PKN Orlen –  Is hydrogen to be sold only at service stations or is self-refueling possible? Hydrogen generation centrally or locally?	PGNiG  Hydrogen injection into gas network grid - necessity and need.	Polenergia  Why burning hydrogen in CHP will be profitable in PowerStation Nowa Sarzyna	ZE PAK –  Green hydrogen from biomass - Hydrogenics project case study
	Break				

12:45				
13:00	Europe and Poland in the global H2 context			
	<b>Prof. Wojciech Gis</b> Institute of Motor Transport  Hydrogen Poland in the context of Europe and global hydrogen developments - overview	Speaker (TBC) Hydrogen Europe -  HORIZON 2020 implementation in the context of the covid-19 outbreak	<b>Ireneusz Zyska</b> - Government Representative for development of RES  Conclusions of the EU Climate Summit in June - identifying the objectives to be allocated to the Just Transition Fund	
14:00	Section Poland			
	<b>Szymon Byliński (TBC)</b> Ministry of Climate  Polish Hydrogen Strategy	<b>Dr. Grzegorz Tchorek</b>  Head of expert group No. 2 EKO TRANSPORT Team for the Development of The Renewable Energy Industry and Benefits for the Polish Economy – Ministry of Climate  The use of RES in transport the state of work in Poland.	<b>Maurycy Rzeźniczak</b> UM Gdynia  PDA Support project for Pomerania	<b>Sławonir Halbryt (TBC)</b>  Hydrogen Cluster Strategy
	Break			
15: 30	Legal session - discussion panel Moderated by Michal Sznycer			
	<b>Alexandru Floristean FCH JU (TBC)</b>  FCH JU The CertifHy system for tracking the origin of green (renewable) and blue (low-carbon) hydrogen		<b>Jakub Kupecki (TBC)</b>  <b>Institute of Power Engineering</b> Committee of electromobility and bio - fuels	
16:15	Social dialogue regarding hydrogen in society and economy Moderated by Maciej Dębski			
	<b>prof. Piotr Stankiewicz</b>	Advanced System Engineering’s representative - building trust for hydrogen.	<b>Dr Jan Staniłko</b>  Ministerstwo Rozwoju	
17:00	Good practices in Europe			
	<b>Fernando Palacín Arizón</b> (Hiszpania)  Fundación para el Desarrollo de las Nuevas Tecnologías del Hidrógeno en Aragón	<b>Jan Wegener</b> NOW Gmbh  Germany’s Road to Hydrogen: past, present and future	<b>Jesper Andresen</b>  Green Hydrogen - New compact electrolysers	<b>Mr Jens Bischoff</b>  <b>Enapter</b>  Modular AEM electrolyser.
Final debate and summary of PCHET 2020				