

FINAL PROGRAMME

TCCB 2026

2nd International Conference on Thermochemical Conversion and Bioenergy

24–26 September 2026 | Łódź, Poland

Thursday | 24 September 2026

TIME	PROGRAMME	SPEAKER / DETAILS
From 09:00	Registration	Conference registration desk
10:30–11:00	Coffee Time	
OPENING CEREMONY		
11:00–11:20	Chair: Prof. Szymon Szufa	Invited guest addresses: four addresses, approximately 5 minutes each.
11:20–11:50	Prof. Błaż Likozar	Opening lecture
DISCUSSION PANEL		
11:50–12:30	Chair: Prof. Szymon Szufa	Debate with Invited representatives: local government; university leaders; innovative business
12:30–12:45	Bogna Hrynyszyn	Marie Skłodowska-Curie Actions – opportunities & support. Head of Polish Academy of Sciences' Excellence in Science Department.
12:45–13:30	Lunch	Group Photo
SESSION I: THERMOCHEMICAL CONVERSION TECHNIQUES		
13:30–15:10	Chair: Prof. Szymon Szufa	Starting the oral lectures. Special Issue: Energies.
13:30–13:50	Szymon Sobek Oral presentation 1	Techno-Environmental Analysis of Torrefied Black-Pellet Combustion in an Industrial Boiler
13:50–14:10	Robert Johnson Oral presentation 2	Biochar - Applications beyond combustion
14:10–14:30	Paweł Kazimierski Oral presentation 3	Biomass Pyrolysis Technologies and Reactor Solutions for Thermochemical Conversion Processes
14:30–14:50	Dimitrios Mertiz Oral presentation 4	Towards Feedstock-Flexible Small-Scale Gasification of Residual Biomass: Development and Pilot Experience
14:50–15:10	Olgiard Sptawski Oral presentation 5	Pyrolysis Results and Project Plans for a Mobile Dryer and Mobile Boiler Plant
15:10–15:30	Coffee & Snacks	
NETWORKING AND INTEGRATION		
17:00–22:00	Outdoor networking dinner, integration	We meet in front of the Hotel at 17.00 to get the transportation.

Friday | 25 September 2026

TIME	PROGRAMME	SPEAKER / DETAILS	
POSTER SESSION: RESEARCH AREAS MOD.1–MOD.4			
09:00–10:30	Chair: Dr Anna Klepacz-Smolka	Approximately 22 posters	
10:30–10:50	Coffee Time	Group Photo	
SESSION II: BIOMASS CONDITIONING WORKSHOP 1			
10:50–12:10	Chair: Dr Rober Johnson		
10:50–11:10	Konstantin Moser Oral presentation 1	Major Learnings and Methodological Improvements in Determining Mass Balances for a 2.5 kg h ⁻¹ Rotary Kiln Reactor	WORKSHOP 1 BioTrainValue 2
11:10–11:30	Hamza Mumtaz Oral presentation 2	Optimization of oxidative liquefaction of wind turbine blades, Glass fiber recovery and liquid product analysis	
11:30–11:50	Himanshu Patel Oral presentation 3	Solvent Assisted Catalytic Hydrodeoxygenation of Pyrolysis Bio-oil to Gasoline-Diesel Range Liquid Biofuel	
11:50–12:10	Emily Ruttner Oral presentation 4	AquaCycle: Reducing Emissions in Aquaculture through the Sustainable Use of Effluent Water and Nutrient Resources	
12:10–12:50	Lunch		
SESSION III: HYDROGEN TECHNOLOGIES WORKSHOP 1			
12:50–13:30	Chair: Dr Szymon Sobek		
12:50–13:10	Hilal Unyay Oral presentation 1	Torrefied Biomass and Anaerobic Digestion Synergy	WORKSHOP 1 BioTrainValue 2
13:10–13:30	Dominika Bandota Oral presentation 2	An Advanced System for Precise Technological and Economic Analysis in the Hydrogen Economy	

TIME	PROGRAMME	SPEAKER / DETAILS	
SESSION IV: RENEWABLE ENERGY SOURCES AND CIRCULAR ECONOMY WORKSHOP 2			
13:30–15:30	Chair: Prof. Tomasz Olejnik		
13:30–13:50	Panagiotis Regkouzas Oral presentation 1	Circular Economy Applications of Biochar Produced from Waste Biomass	WORKSHOP 2 Green Hydrogen & Electromobility
13:50–14:10	Julia Domagała Oral presentation 2	Bioenergy in the Energy Transition of District Heating	
14:10–14:30	Evangelos Macharias Oral presentation 3	Financial Engineering Risk Analysis for the Feasibility Assessment of Agricultural Waste Management through Slow Pyrolysis	
14:30–14:50	Magdalena Borzęcka Oral presentation 4	Spatial Techno-Economic Optimisation of Biochar Plant Siting Using Maize Straw in Poland	

TIME	PROGRAMME	SPEAKER / DETAILS	
14:50–15:10	Stelios Rozakis Oral presentation 5	Mapping the European Biochar Innovation Ecosystem Revisited	
15:10–15:30	Dan Abudu Oral presentation 6	From Biomass Potential to Bankable Feedstock: Spatial Optimisation for Reliable Thermochemical Processing Systems	
15:30–16:00	Coffee & Snack		
16:00–18:00	Break / individual time		
TCCB 2026 GALA DINNER			
18:00–22:00	Official conference dinner – Restauracja Gęsi Puch aleje Politechniki 2	Best Poster and Best Oral Presentation Awards, Traditional events	

Saturday | 26 September 2026

TIME	PROGRAMME	SPEAKER / DETAILS
INTEGRATION WORKSHOP		
10:00–13:00	Chair: Prof. Szymon Szufa	Summary of the Conference – Developing Joint R&D Projects – MSCA Workshop
13:00–13:30	Piotr Piersa	TCCB Foundation closing session
13:30–14:10	Lunch	

Important Information

- Any accompanying person must be registered [here](#).
- Poster size: **A1** (594 x 841 mm / 23.4 x 33.1 in) **MAX 2 minutes Presentations and 1 minute Q&A**
- **Outdoor networking dinner, integration.** We will meet in front of the Hotel at 16.55 to get transportation. (According to the weather forecast, some integration events may be held outside.)
- **Gala Dinner** at Restauracja Gęsi Puch, address: Aleje Politechniki 2 at 18:00 pm.
- **Accommodation Hotel:** Qubus Hotel <https://www.qubushotel.com/pl>
- Accommodation code: **TCCB 2026**; get around a 10% discount for the additional days.

Accepted POSTERS

NAME	SURNAME	POSTER TITLE
Artur	Lewandowski	From Hazard Identification to Risk Mitigation: A Process Safety Framework for Modular Biomass Gasification Installation
Andrzej	Obraniak	Granulacja popiołów uzyskanych ze spalania biomasy
Marta	Marczak-Grzesik	Advanced Carbon-Based Sorbents for the Simultaneous Removal of Hydrogen Sulfide and Siloxanes from Biogas: Properties, Performance, and Application Prospects
Paweł	Obstawski	High-temperature compressor-based heat pump powered by eco-friendly refrigerants
Johann	Zitzelsberger	Potential analysis of energy components within the torrefaction process for use in electrical power supply
Hanna	Olscher	Anaerobic digestion of penicillium production residues in lab scale fermenter trials
Oleksandra	Hutsol	Effect of Woody Biomass on the Agglomeration Process of RDF Fraction
Tomasz	Mirowski	From Forest Biomass Dependence to Feedstock Diversification: Agricultural Biomass for Sustainable Residential Heating
Paulina	Bandrów	Green Hydrogen Revolution: Utilizing Tannery Waste in Dark Fermentation – Merging Biotechnological Innovation with Engineering Simulation
Ksawery	Kuligowski	Production of pelletized Recycled Nutrient Fertilizers from various waste feedstocks on-site in a mobile installation and their agronomic validation via greenhouse studies
Magdalena	Borzęcka	BioNets Platform and BBT Assessment Tool: Advancing Biomass Conversion for Rural Resilience in Europe
Michał	Krzyżaniak	Characterization of chemical and thermophysical properties of dairy farm production residues
Joanna	Leszczyńska	Effect of Torrefaction Temperature on the Mechanical Properties of Pellets Produced from Post-Extraction Peat
Beata	Kobacka	Research on the parameters of the disc granulation of biochar (Online)
Martyna	Pietrkowska	Granulation of biomass combustion ash (Online)
Halina	Pawlak Kruczek	Innovative System for High Efficiency Zero-emission Energy Production
Kamil	Szymczak	Beyond Energy Recovery: Towards Full Valorization of Agricultural Waste and Its Secondary Fractions
Matěj	Charvát	Metastable sodium acetate trihydrate for applications in household-scale energy sector
Baran	Taşğın	Hydrogen sorption characteristics of Cu doped high-entropy alloys
Błaż	Likożar	Catalytic and Non-Catalytic Dry and Wet Torrefaction of Biomass Waste for the Production of Biochar, Hydrochar, and Value-Added Liquid Products