

# Appendix: List of extended abstracts

*The following extended abstracts were accepted for presentation at Industrial Efficiency 2020. All full-text abstracts and presentations can be found on eceee's web site, where the online version of the eceee 2020 Industrial Summer Study proceedings is published: [https://www.eceee.org/library/conference\\_proceedings/](https://www.eceee.org/library/conference_proceedings/).*

## PANEL 1. POLICIES AND PROGRAMMES TO DRIVE TRANSFORMATION

- 1-015-20 Ennshafen case study – insights into real-life industrial energy cooperation development
- 1-025-20 Voluntary energy efficiency agreements in Europe and the United States: insights and best practices
- 1-049-20 Development of the voluntary agreements system in Ukraine
- 1-058-20 DOW low carbon utilities
- 1-072-20 IMPAWATT – actions to improve the energy culture
- 1-114-20 Leaders in the industrial energy transition
- 1-124-20 No time to waste reinventing the wheel – introducing the concept of a pan-European interactive knowledge transfer platform for radical energy savings
- 1-129-20 White certificates in industry: M&V, additionality and global outcomes in the Italian scheme
- 1-138-20 What the industry needs from energy efficiency: reflections on energy efficiency programs in food & beverage sector
- 1-140-20 Evaluating the Polish white certificate scheme
- 1-150-20 Valuing and communicating the multiple benefits of energy-efficiency projects
- 1-151-20 Five steps to decarbonisation

## PANEL 2. SUSTAINABLE PRODUCTION TOWARDS A CIRCULAR ECONOMY

- 2-013-20 Overcoming the carbon lock-in: a techno-economic analysis of the Spanish cement sector
- 2-017-20 Working with sustainability in the insulation industry
- 2-050-20 BAT benchmarking tools for industry

- 2-051-20 Technology and material efficiency scenarios for a net zero UK steel sector
- 2-060-20 How to create an open market for second life e-mobility batteries in stationary energy storages
- 2-096-20 Adding transparency to the circular flow of batteries
- 2-112-20 Methods and practice to conduct agro-industrial water–energy nexus assessments
- 2-133-20 Assessing the geographical aspects of regional industrial symbiosis for european regions
- 2-147-20 Material and resource efficiency potentials in the aluminum industry – prospects for increased circular economy and decarbonisation

## PANEL 3. ENERGY MANAGEMENT – IN REAL LIFE

- 3-011-20 Integrating energy efficiency in investment process – experience from Scania CV Green Field Foundry Project
- 3-080-20 Identification of optimal measurement points for energy monitoring of industrial processes: the case of milk powder production
- 3-144-20 Coaching – an effective model for energy efficiency in small and mediumsized industries

## PANEL 4. TECHNOLOGY, PROCESSES AND SYSTEMS

- 4-003-20 Opportunities for applying high temperature heat pumps in industry
- 4-014-20 Digital technologies driving efficiency in electric motor driven systems
- 4-053-20 Efficient utilization of industrial excess heat for carbon capture and district heating

- 4-102-20 Analysis of energy efficiency improvement and carbon dioxide abatement potentials for Swiss food and beverage sector
- 4-126-20 Opportunities to significantly expand & scale electrification of industrial processes

PANEL 5. BUSINESS MODELS AND FINANCE IN THE AGE OF DIGITALISATION

- 5-032-20 Bridging the gap: a platform to connect small industrial efficiency projects with the capital markets
- 5-042-20 Designing and implementing a capacity building program dedicated to the financial community aiming to boosting energy efficiency investment in the industry
- 5-044-20 EFFORCE: how blockchain technology can revolutionize energy efficiency investments
- 5-059-20 Innovative approach to use standards in new business models blockchain ready
- 5-062-20 Components of chemical company Paris climate alignment
- 5-069-20 Guaranteed and insured energy saving to boost EE investment by SMEs
- 5-100-20 The Energy Efficiency Financial Institutions Group (EEFIG) as a catalyst for deep decarbonization
- 5-142-20 Risk mitigation for industrial excess heat recovery projects
- 5-143-20 Industrial production to 2050: the PEPITO model
- 5-146-20 Cooling as a service: unlocking demand for clean and efficient cooling.
- 5-158-20 A new model for jointly purchased energy services in Turkish industrial parks
- 5-159-20 How can we best create a synergy between existing electricity-intensive industry, existing materials and energy systems and future establishments?

PANEL 6. DEEP DECARBONISATION OF INDUSTRY – TECHNOLOGIES, STRATEGIES & IMPLICATIONS FOR POLICY, INDUSTRY AND RESEARCH

- 6-022-20 GHG neutral pathways for the German chemical industry
- 6-045-20 Impact of carbon prices on fuel switching in the iron and steel industry
- 6-077-20 Towards a policy framework for a hydrogen future of German industry
- 6-086-20 Towards a climate-smart petrochemical process industry on the Swedish west coast
- 6-095-20 The ZERO project; towards zero CO<sub>2</sub>-emissions in the Norwegian and Swedish industry – process solutions including associated infrastructure
- 6-120-20 Net-zero industries