

SPIRE

Post date:

21/10/2014 - 00:00



Presentations of the SPIRE Brokerage session in the PPPs Info days from 21 October 2014, Brussels:

- **Database** of the projects presentations (check below)
- Recordings of the sessions and presentations from the plenary and parallel sessions

SPIRE Brokerage – Project ideas: 2015 Calls

SPIRE 6 - 2014: Energy and resource management systems for improved efficiency in the process industry

- **Mälardalen University (MDH)**, ENEFF - Energy efficiency improvement in process industry
- **CTMNC - Centre Technique de Matériaux Naturels de Construction**, Development of characterization methods for mineral raw materials to improve energy and resource management systems

- **University of Valladolid**, Energy and resource management system for improved efficiency in soluble coffee process industries
- **Institute of Machine Tools and Production Technology TU Braunschweig**, Multi-level simulation, real-time monitoring, visualization and evaluation of energy and material flows for energy and resources efficiency
- **PARAGON S.A.**, SSO Mx - Multi-x Optimization for Smart macro-scale production Sustainability
- **University of Manchester**
 - DEMPROSE - Distributed energy management, production and storage systems for efficiency optimization in the process industry;
 - HERMES-DIO - Holistic energy and resource management systems by design, integration and optimisation
- **University of Ulster**, Industrial process modelling for industrial energy efficiency
- **Fraunhofer Center for High Temperature Materials and Design in Bayreuth**, Flexible Energy Consumption in Industrial Heat Treatments
- **CENTRO TECNOLÓGICO AIMEN**, Treatment and reuse of wastewater streams into process using low energy technologies (ANAEROBIC DIGESTION + CONSTRUCTED WETLANDS)
- **SP Sveriges Tekniska Forskningsinstitut**, Furan based binders and applications through smart and integrated use of biomass
- **Axelera**, Conversion of lignin to High-Added-Value molecules and macro-monomers: biotechnology and chemical approaches
- **Incotec**, Development of energy efficiency synergies at supply chain level (EEChain)
- **Universidad Politécnica de Valencia**, Capabilities presentation: Simulation and Optimization for decision support systems for flexible energy use in Manufacturing Systems
- **DIL German Institute of Food Technologies**, Capabilities presentation

SPIRE 5 - 2015: New adaptable catalytic reactor methodologies for Process Intensification

- **Process Design Center (PDC)**, Structured development of Process Intensified CAlytic Reactors (SPICARE)
- **ARKEMA**:
 - REDIRE - REaction Displacement in Intensified Reactors
 - VALORISATION of ORGANICS from WASTEWATER and RE-USE
- **Fundación Andaltec I+d+i**, Controlled catalytic reaction to prepare thermosetting plastics via conventional processing of thermoplastic
- **Polymer Center Augsburg**, Process Optimized Polymers

SPIRE 7 - 2015: Recovery technologies for metals and other minerals

- **Materia-Nova**, Bacterial revalorization of precious metals from waste water
- **BECROMAL**, Aluminium Foils Waste Streams Valorisation,
 - Project idea abstract

SPIRE 8 - 2015: Solids handling for intensified process technology

- **University of Nottingham**, Intensification of Solids Processing using Electromagnetic Technologies (ISPET)
- **CERTECH (Centre de Ressources Technologiques en Chimie)**, Continuous hydrothermal (under pressure and temperature) synthesis of a solid with an intensified reactor

- **Université Catholique de Louvain (UCL)**, Production and treatment of particles in high-G operated vortex chambers

EE-18: New technologies for utilization of heat recovery in large industrial systems, considering the whole energy cycle from heat production to transformation, delivery and end us

- **Tel-Tek**, Thermoelectric Generators for INDUSTRIAL Waste Heat Recovery
- **Fives**, Waste heat recovery in the steel, cement, aluminium and glass industries

