

28th January 2016

10:30-16:00 Partnering Event – WZL / IPT Aachen

Facilitating project partner search for the upcoming calls for proposals with deadline end of March 2016

10:30 Registration of Participants

11:00 Welcome and Opening Remarks
Prof. Christian Brecher (WZL, RWTH Aachen)

11:10 Programme Presentations

Viktoria Cvetković (AiF e.V.) – CORNET

Christian Fichtner (AiF Projekt GmbH) – IraSME

Dr. Andrea Hesse (DLR-Projektträger) – EUREKA/Eurostars

Susanne Jakobs-Bohack (ZENIT GmbH) – Enterprise Europe Network

Sergej Paveliev (ZENIT GmbH) – Horizon2020

12:00 At the Heart of a Project

Dr. Kristina Lahl (IfU e.V.) – CORNET Success Story: Project 'TeSaMa'

12:20 Elevator Pitch Session I

12:20 Energy and Biomass

Guy Baret (LUXOL) – Smart grid and energy storage

Short Description:

LUXOL is a French small company, subsidiary of a French Group, developing and producing photovoltaic roof tiles.

LUXOL aims at developing PV roof tiles based on clay tile for lower production costs.

LUXOL has interest in:

- Development of PV roof tiles, (including curved / Roman tiles, based on crystalline silicon cells or thin films technologies*
- Development of facades PV elements based in crystalline silicon cells or thin film PV and polymer front sheet*

Guy Baret (SOREA) – Smart grid and energy storage

Short Description:

SOREA is active in electricity production and distribution and operates its own grid with hydro and PV production. The grid supplies 20 000 customers.

In order to improve the grid quality and have cost optimization, SOREA is looking for

developments in the fields of renewable energies, energy storage and smart grid applications.

Dr.-Ing. habil. Ahmad Al-Halbouni (Gas- und Wärme-Institut e.V.) – Organisational Profile

Short Description:

The research activities of Gas- und Wärme-Institut e.V. Essen are centered on its two R&D departments, the Department of Fuel and Appliance Technology and the Department of Industrial Combustion Technology. While the former focuses on regulatory and systemic aspects of the public gas supply as well as new fuels (like H₂ or biogas) as well as domestic gas-fired appliances, the Department of Industrial Combustion Technology carries out research projects in the fields of industrial gas utilization, for example in the thermal processing (e.g. glass, ceramics or metals industries) or power generation sectors

Joachim Kümmel (IBB Technology GmbH) – Company Profile

Short Description:

New developed Stepped-Grate-System for the incineration of biomass inclusive the incineration of straw and waste in each case as well as in combination. This is unique - and straw is the worldwide greatest available biomass.

12:50 Materials

Jean-Yves Escabasse (Fraunhofer UMSICHT) - Department New Materials

Short Description:

Clean air inside buildings

13:00 Break with Snacks

14:00 Elevator Pitch Session II

14:00 Materials

Dr. Katarzyna Falenty (M.E.SCHUPP Industriekeramik GmbH & Co.KG) - SCHUPP - Simply High Temperature Technology

Short Description:

SCHUPP® Ceramics, founded in 1996 by Michael E. Schupp, with more than 50 qualified and eager employees in Germany have been developing and producing modern key components and systems for laboratory and industrial furnaces in high temperature applications from 660 °C to 1800 °C. As a specialized manufacturer and customer driven company, SCHUPP® offers a comprehensive range of furnace components worldwide. This range includes standard and high purity electric heating elements (MoSi₂), efficient and flexible thermal insulation like boards, shapes and blankets by PCW (mullite wool), and Process Temperature Control Rings PTCR.

Evgeny A. Pavlov (Unimet Ilc and Siberian Federal University) - Liquid Heart Metal Stirrer (LHMS) and Low Depth Metal Stirrer (LDMS)

Short Description:

Unimet and Siberian Federal University propose the collaboration for R&D and implementation the following MHD technologies for aluminium industry: Liquid Heart Metal Stirrer (LHMS) and Low Depth Metal Stirrer (LDMS)

Maiwenn Larnicol (Centre for Research in Metallurgy, CRM Group) - Development in surface treatment of metallic pieces

Short Description:

CRM Group is active in the development of innovative process and products for finishing and coatings of metal pieces as electro-polishing with IL, PEO, chrome-free coatings

Simon Kervyn (Coatings Research Institute (CoRI) - Organization Profile

Short Description:

CoRI is a research center established in 1957 by and for the coatings industry in Belgium. We are active in fundamental research (H2020, CORNET, ...) and are doing contractual research for companies.

Moritz Graf zu Eulenburg, Albert Vitkov (InovisCoat GmbH) - Continuous production of large area electroluminescence

Short Description:

InovisCoat GmbH has developed a completely new technology for large area electroluminescence systems for different types of substrates like films, textiles and papers.

14:35 Mechanical Engineering

Jean Crahay (CRMGroup) - Evaluation and management of internal stresses in cladding

Short Description:

- *Cladding is increasingly used in production and repair*
- *New materials and techniques are emerging (e.g. laser cladding)*
- *In all cases the residual stresses are a critical aspect for successful application*

Philipp Neubauer (Research group System Reliability, Adaptronics, and Machine Acoustics SzM) - Research at SzM with psychoacoustically improved gears

Short Description:

The Reserach at SzM is presented, followed by a closer at look at the research on psychoacoustically improvements of gear noise.

14:50 Industry 4.0

Prof. Dr. Jan Jürjens (Fraunhofer ISST) - The Industrial Data Space: Opportunities for European R&D projects

Short Description:

The talk presents the Industrial Data Space and resulting Opportunities for European R&D projects

Tobias Pickshaus and Jonathan Krauss (Fraunhofer Institute for Production Technology IPT) - Organizing Production and Industrial IT in times of "Industrie 4.0"

Short Description:

Short description of IPT, introduction proposal "PrimaQ - Quantitative Project Risk Management", introduction proposal "FuRiMan - Future proof, Risk-based software selection for small and medium enterprises in manufacturing"

15:05 Power Electronics

Lucas Gerads (Aixcon PowerSystems GmbH) - Company profile

Short Description:

Aixcon PowerSystems develops and manufactures industrial microwave generators that are used in plasma processes. Aixcon is developing a pulsable generator that facilitates plasmas with lower thermal energy and high plasma density. This enables interesting plasma chemistry properties and decreases the thermal load. It is envisaged to achieve pulse frequencies of up to 30 kHz without significantly degenerating the magnetron. Aixcon is looking for potential partners and adopters of this technology to develop new processes and applications for e.g. coating, thin-films, etching, etc.

15:10 Life Sciences and Environment

Dr. med. Holger Sauer (Klinikum Westfalen) - Novel solutions patient monitoring

Short Description:

Smart and wireless sampling, processing and displaying of vital parameters in interventional and intensive care medicine, including differentiated alarm management

Dr. Bianka Kühne (Flanders' FOOD) - Flanders' FOOD: the Innovation Platform for Flemish Agro-Food Companies

Short Description:

Flanders' FOOD is a strategic cluster supporting and facilitating the growth towards a more competitive, innovative and sustainable agro-food industry. As the innovation platform of the Flemish agro-food industry our main activities are knowledge creation, knowledge dissemination and (international) partner matching. We focus on three specific themes: Sustainability, Quality and Balanced Diet. Within each theme we work around specific topics dealing mostly with technology related solutions.

Jan Echterhoff (Research Institute for Water and Waste Management) - Microplastic in Surface Waters

Short Description:

Plastics are persistent, bioaccumulative and ubiquitous materials that are containing hazardous additives and which are good substrate for viruses and bacteria. Currently there are no harmonized or standardized and comparable sampling methods, sample preparation and sample analysis available. The project idea is to detect microplastic in surface water to estimate the pollution grade and to identify emission pathways of microplastic in surface waters.

Hervé Bréquel (Centre Terre et Pierre (CTP)) - Industrial Mineral and Plastic Reverse Processing

Short Description:

Use of a combination of mineral processing techniques applied to waste stream in order to recover chemicals, or valuable materials

15:40 Simulation and Experimental Technology

Hunn Sim (FMDauto -Institute) - Design concept and reliability study of a DEAP system

Short description:

The main working topic is product development, with particular interests in simulation and experimental technology. The institute is interdisciplinary positioned with competences in mechanical-, electrical, electronical-, automation, and process engineering as well as in material sciences and life cycle management. In collaboration with companies and research organizations the institute is involved in scientific research projects in different fields such as automotive, agricultural engineering, bulk technology, fluid transport etc. In 2015, the institute's accumulated revenue was 560.000 €.

Dipl.-Wirt.-Ing Tobias Herken (IANUS Simulation GmbH) - Company presentation of IANUS

Short description:

3D simulation of flows with the software FEATFLOW. The possibilities of FEATFLOW like calculations of complex geometric forms and their movement will be shown.

13:00 In parallel: Prescheduled face-to-face meetings at any time

16:00 End of the event

Meeting Venue: Werkzeugmaschinenlabor WZL der RWTH Aachen
Hörsaal 004, WZL Aditec Building,
Steinbachstr. 25, 52074 Aachen