

AGENDA MATERIALS & ENERGY

FIRST SESSION – 10 am

UNIVERSITY	NAME	EMAIL	SUBJECT
UNamur	Philippe Degée	philippe.degee@unamur.be	Functionalized powders for advanced materials
UMons	Ludovic Urgeghe	Ludovic.URGEGHE@umons.ac.be	In situ control and testing of composites by means of embedded optical fiber
UCLouvain	Christophe Dumonceau	Christophe.dumonceau@uclouvain.be	Very different metals but welded to each other
Synthera	Michele Buscemi	buscemi.m@synhera.be	Green process for functionalization of unsaturated compounds.
UGent	Margriet Drouillon	Margriet.Drouillon@ugent.be	Using flow cytometric characterization for on-time microbial community management within an industrial context
UAntwerpen	Alexander Neirinckx	alexander.neirinckx@uantwerpen.be	The NANOCenter platform: Advanced characterization and multiscale simulation of (nano)materials
VUB	Herman Terryn	Herman.Terryn@vub.be	Screening of surface properties of metal oxide surface for hybrid structures
UHasselt	Lieve De Doncker	lieve.dedoncker@uhasselt.be	Challenge: Batteries with sustainable and high-quality inorganic materials
KU Leuven	Joost Van Aelst	joost.vanaelst@kuleuven.be	BIOCON: a novel Biorefinery for the production of the materials of the future
KU Leuven	Helge Pfeiffer	helge.pfeiffer@kuleuven.be	Wetness monitoring by percolation threshold sensors to prevent corrosion and to detect damages in composites and concrete
UNamur	Pierre de Liedekerke	pdl@incosol4u.com	Functional coatings on complex parts



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SECOND SESSION – 11.30 am

UNIVERSITY	NAME	EMAIL	SUBJECT
Uliège	Grégoire Léonard	G.Leonard@uliege.be	CO2 transformation: the FRITCO2T Technology Platform
Synthera	Michele Buscemi	buscemi.m@synhera.be	Development of organically-sourced PU based paints formulations
UCLouvain	David Waroquiers	david.waroquiers@uclouvain.be	MaDeSo: Materials Design Solutions
UCLouvain	Sebastien Adam	sebastien.adam@uclouvain.be	Antireflective microstructures for optical applications
UCLouvain	Valeriya Kilchytska	valeriya.kilchytska@uclouvain.be	WELCOME - Wallonia ELectionics & COmmunications MEasurement facility
UGent	Kamila Mascart	kamila.mascart@ugent.be	Hemp as a source of high quality fibres in EU
UGent	Stijn Matthys	Stijn.matthys@ugent.be	Advanced technologies for circular economy in (concrete) construction
VUB	Michaël Hinderdael	Michael.Hinderdael@vub.be	Hybrid additive manufacturing opening doors for smart materials with embedded functionalities
KU Leuven	Michaël Stamm Helge Pfeiffer	Michael.Stamm@brusselsairlines.com; helge.pfeiffer@kuleuven.be	Detection of melting ice in fuel tank systems (With Brussels Airlines)
			Monitoring of indentation damage in aircraft fuselage surfaces by digital image correlation (With Brussels Airlines)



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THIRD SESSION – 2 pm

UNIVERSITY	NAME	EMAIL	SUBJECT
Umons	Séverine Coppée	Severine.COPPEE@umons.ac.be	Benzoxazine Resins for Advanced Materials
Synthera	Xavier Nicolay	xnicolay@spfb.brussels	Bioleaching of metals from secondary resources (industrial wastes).
Uliège	Jean-Marc Schumers	JM.Schumers@uliege.be	Flexible Thin-films for battery electrodes
			Continouss-flow process for a valuable transformation of Glycerol
UGent	Kamila Mascart	kamila.mascart@ugent.be	Bio-based engineered textiles for comfort and safety
KU Leuven	Ann Witvrouw	ann.witvrouw@kuleuven.be	Material resource efficiency in industrial production processes
			Additive Manufacturing of SiSiC
KU Leuven	José Nunez Ares	jose.nunezares@kuleuven.be	Efficiently optimizing complex products and processes through novel experimental plans
UAntwerpen	Wouter Van Putte	wouter.vanputte@uantwerpen.be	VisionLab Flexray: flexible and modular multi-resolution 3D X-ray Computed tomography scanner
VUB	Thierry Coosemans	Thierry.Coosemans@vub.be	MOBI: a large research lab in the Benelux for innovative batteries
			The Green Energy Park: a large scale living-lab for energy and mobility



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FOURTH SESSION – 3.30 pm

UNIVERSITY	NAME	EMAIL	SUBJECT
Uliège	Jean-Marc Schumers	JM.Schumers@uliege.be	Sprayable water-based compositions for Li-ion Battery electrodes.
KU Leuven	Ward Melis	ward.melis@kuleuven.be	Virtual experiments and multiscale simulation of metal components and metal forming processes
UCLouvain	Matthieu Palate	matthieu.palate@uclouvain.be	Electric machine having a passive axial electrodynamic bearing Self-compensating permanent magnet bearing
KU Leuven	Kris Baert	kris.baert@kuleuven.be	KU Leuven / EnergyVille : research into sustainable energy and intelligent energy systems. 3 highlights: <ul style="list-style-type: none">- BI-PV: integrating photovoltaics into real facades of buildings- Edison vs Tesla: Low Voltage bipolar DC grids- Towards the SuperGrid: High Voltage DC transmission
VUB	Annick Hubin	anhubin@vub.ac.be	Prediction tool for life time assessment of materials in electrochemistry driven applications such as corrosion & corrosion protection and energy storage.
KU Leuven	David Maes	david.maes@kuleuven.be	Polymer Microwave Fiber: a blend of RF, copper and optical communication
UGent	Geert Rampelberg	Geert.Rampelberg@ugent.be	Surface Coating and Functionalization of particles
KU Leuven	Claus Claeys	Claus.Claeys@kuleuven.be	Vibro-acoustic metamaterials: the way towards light compact vibro-acoustic solutions