Preliminary topic-program of the 2 day workshop: "Plasma Science & Entrepreneurship" Luxembourg
Speaker / Company, University / "title of Abstact"

Plasma in Liquids and Agriculture
Guus Pemen, Eindhoven University of Technology, The Netherlands, "Plasma activated water for agricultural and medical applications"
Achim von Keudell, Ruhr-Universität Bochum, Germany, "Extreme ns plasmas in liquids for plasma supported electrolysis"
Sven Gerullis, INNOVENT, Germany, "Modification of wood and wood components by Atmospheric Pressure Plasma".
Zdenko Machala, Comenius University, Slovakia, "Tuning the chemistry of air plasma-water interaction and biomedical/agriculture applications of plasma activated water
PECVD /PLD (1)
Erik Wagenaars, York Plasma Institute, University of York, United Kingdom, "Plasma-Enhanced Pulsed Laser Deposition: Proof-of-concept for metal oxide thin films"
Vladimir Cech, Brno University of Technology, Czech Republic, "Layered a-CSi:H/a-CSiO:H nanocomposites".
Ondrej Kylian, Charles University, Czech Republic, "Plasma assisted production of heterogeneous nanoparticles"
PE ALD/Atomic Etching
Gary Eden, University of Illinois, USA, "Microplasmas in electromagnetics and nanoelectronics: 3d photonic crystals and atomic layer deposition"
Nicolas Posseme, CEA-Leti-Minatec, France, "New plasma approaches for atomic scale precision etching"
Plasma Industrial
Tomáš Homola, R&D Centre for Low-Cost Plasma and Nanotechnology Surface Modifications(CEPLANT), Masaryk University, Brno, Czech Republic, "Low-cost and high-speed atmospheric plasma engineering of thin films for roll-to-roll manufacturing of perovskite solar cells"
Maryline Moreno, LIST, Luxembourg, "Atmospheric pulsed plasma copolymerization of acrylic monomers: kinetic, chemistry and application"
Fabienne Poncin-Epaillard, Institut des Molécules et Matériaux du Mans, France, "Antifogging thin layers : plasma process and characterization"
Thierry Belmonte, Université de Lorraine, CNRS-Institut Jean Lamour, "Study of an industrial atmospheric dielectric barrier discharge plasma process"
Denis Dowling, University College Dublin, Ireland, "Application of atmospheric plasma's to enhance the mechanical properties of 3D printed composites"
Joanna Borek-Donten, Molecular Plasma Group (MPG), Luxembourg, "Industrial plasma deposition process - key parameters"
Floran Peeters, DIFFER, the Netherlands, "CO2 microwave plasma's – renewable energy driven chemistry"
Plasma Science and Diagnostics
Michel R. Wertheimer, Dept. of Engineering Physics; Ecole Polytechnique, Canada; "Energetics of Reactions in a Dielectric Barrier Discharge with Argon Carrier Gas and Admixed Hydrofluoromethanes"
Tobias Gergs, Brandenburg University of Technology; Ruhr University Bochum,Germany, "Crystal Orientation during AlN Sputter Deposition: A Molecular Dynamics Study"
Diana El Khoury, Grenoble Génie Électrique (G2ELab),France, "Monitoring of medium voltage equipment ageing by chemical gaseous emission analysis during partial discharges activity"
Damien Thiry, Chimie des Interactions Plasma Surface (ChIPS), University of Mons (UMONS), Belgium, "An innovative way for structuring plasma polymers at the nanoscale"
Jean-paul Booth, LPP-CNRS, Ecole Polytechnique, France**,** "A test-bed for models of plasmas in a diatomic gas: a comprehensive diagnostic study of a DC positive column in O2"
PECVD /PLD Thin Films (2)
Dirk Hegemann, Empa, CH, "Exploring surface and subsurface effects using plasma polymer nanolayers"
Agnes Granier, Institut des Matériaux de Nantes (IMN) - CNRS - Université de Nantes, France, "Deposition of TiO2 and nanocomposite TiO2/SiO2 thin films by low pressure PECVD at low temperature"
Götz B. Thorwarth, Imt Masken und Teilungen AG (IMTAG), Switzerland, "Challenges in fabrication of nanostructured plasma-based functionalization for diagnostics"
Stéphane Lucas, University of Namur, Belgium, "Adding advanced functional properties to nanoparticles via low-pressure plasma coating: from research to practical application"