

Preliminary program

Thursday November 30th, 2017

9:00-9:10	Opening by Rémi Dussart (Chair) and Hugo de Haan (Vision Dynamics)	
9:10-9:40	1st keynote speaker : Prof. J. G. Eden (University of Illinois), "Fundamental science and the commercialization of microcavity plasma: microwave filters, transistors, VUV lamps and water disinfection"	
9:40-10:10	Plenary presentation of 3 young innovative host nation spin-offs/start-ups (10 min each) <ul style="list-style-type: none"> ▪ Prof. Alix Giquel (Diam Concept) "<i>a CNRS spin-off for ethical diamond sourcing</i>" ▪ Open for start-up/spin-off ▪ Open for start-up/spin-off 	
10:10-10:50	Coffee break at booth area	
Start parallel session	<p>Session:</p> <p>Plasma surface modification</p> <p>Moderator: tbd</p>	<p>Session:</p> <p>Plasma in Food, Biomedical</p> <p>Moderator: Antoine Rousseau</p>
10:50-11:10	Dr. Erik V. Johnson , LPICM-CNRS; Ecole Polytechnique, "Control over surface processing outcomes through tailored voltage waveform plasmas"	Prof. Antoine Rousseau , Ecole Polytechnique; CNRS; Sorbonne Université; Université Paris Saclay, "Boosting germination of seeds using non-thermal plasma treatment"
11:10-11:30	Ir. Mathieu Thomachot , AcXYS Tech, "Atmospheric plasma equipment design, construction and process development, for industrial applications related to surface modification"	Dr. Stefan Nettesheim , Relyon Plasma GmbH, "Surface decontamination from organics and spores by atmospheric plasma treatments"
11:30-11:50	Prof. Hanshan Dong , University of Birmingham, "Towards Multi-functional surfaces via novel plasma surface engineering technologies"	Dr. Paolo F. Ambrico , Nanotec, "Low temperature plasma treatments of seed: a tool for applications from field to sprouting"
11:50-12:10	Dr. Camila Garces & Dr. Nicolas Drolet , Saint Gobain, "Study of a corona process for fluoropolymer surface modification"	Prof. Peter Awakowicz , Ruhr University Bochum, "Molecular understanding of plasma decontamination of bacteria and germs"
12:10-13:20	Lunch at booth area	
	<p>Session:</p> <p>Microplasma surface modification</p> <p>Moderator: Rémi Dussart</p>	<p>Session:</p> <p>Plasma surface modification for biomedical, dermatology</p> <p>Moderator: tbd</p>
13:20-13:40	Dr. Agnes Granier , Université de Nantes, "Pulsed PECVD for controlled deposition of thin films at low temperature and anatase titanium oxide films on polymer films"	Dr. Dirk Hegemann , Plasma & Coatings Empa, "Thin film architecture affecting protein adsorption"
13:40-14:00	Open slot	Open slot
14:00-14:20	PhD student Rim Bitar , Gent University, "Local plasma activation and polymerization of polymer films using microplasma needles"	MSc. Rowena Duckstein , Fraunhofer IST, "Surface modification for cell cultivation of human stem cells in hanging droplets"
14:20-14:40	Dr. Fiona Elam , Eindhoven University of Technology, "Micro-plasma assisted ALD for area-selective patterning of ultra-thin films"	Open slot
14:40-15:10	Coffee break at booth area	

Please visit www.visiondynamics.nl for info and online registration

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Start parallel session	Session: Plasma Diagnostics & Metrology Moderator: tbd	Session: Plasma Surface modification of particles Moderator: tbd
15:10-15:30	Dr. David Gahan , Impedans Ltd, "Sensing and fault detection in plasma processes used for medical device manufacture"	Dr. Bert Verheyde / Dr. Annick Vanhulsel , VITO, "Plasma functionalization of powder at atmospheric pressure"
15:30-15:50	Open slot	Open slot
15:50-16:10	BSc. Nicholas Hearn , Krüss GmbH, "Facilitating high speed and precision contact angle measurements for inline plasma treatment using a novel liquid dosing method"	Dr. Holger Testrich , INP Greifswald, "Developing novel biomimetic plasma sprayed coatings for life science"
16:10-16:40	Lunch at booth area	
	Session: Microplasma sources, microreactors and applications Moderator: tbd	Session: Entrepreneurship case presentations Moderator: tbd
16:40-17:00	Dr. Michael Tatoulian , Chimie ParisTech, "Microstructured DBD reactors: A new concept for chemical synthesis and technological feasibility"	Case 1
17:00-17:20	Open slot	Case 2
17:20-17:40	Open slot	Case 3
17:40-18:00	Closing of the first day	

Preliminary program

Friday December 1st, 2017

9:00-9:10	Opening by Rémi Dussart(Chair) and Hugo de Haan (Vision Dynamics)	
9:10-9:40	2nd keynote speaker : Prof. Ken Ostrikov (Queensland University of Technology), "Tattoo jellyfish: wassup'ya cool?"	
9:40-10:10	Plenary presentation of 3 young innovative host nation spin-offs/start-ups (10 min each) <ul style="list-style-type: none"> ▪ Open for startup/spin-off ▪ Open for start-up/spin-off ▪ Open for start-up/spin-off 	
10:10-10:50	Coffee break at booth area	
Start parallel session	<p>Session: <i>Plasma surface modification</i></p> <p>Moderator: tbd</p>	<p>Session: <i>Surface modification for printed electronics/nanoparticles</i></p> <p>Moderator: tbd</p>
10:50-11:10	Dr. David Duday , LIST, "Interaction between coatings obtained by atmospheric pressure plasma and proteins in aqueous solution"	Prof. Thierry Belmonte , CP2S; institut Jean Lamour; Université de Lorraine; UMR CNRS, "Discribe: a plasma technology for applications in the sub-micron range"
11:10-11:30	Prof. Eric Robert , GREMI, "(Multi-)Plasma Gun: an innovative patented plasma jet source for biological applications and surface treatments"	Dr. Tomáš Homola , Masaryk University, "Low-temperature (70°C) ambient air plasma-fabrication of inkjet-printed mesoporous TiO2 flexible photoanodes"
11:30-11:50	PhD student Robert Bansemer , INP Greifswald, "Plasma jets in endoscopic applications"	Dr. Johannes Berndt , Université d'Orléans/GREMI, "Plasma based synthesis of conductive polymers: thin films and nanoparticles"
11:50-12:10	Dr. Elena Guillén , Profactor Austria, "Comparison of plasma options for modification of polypropylene (PP) plates"	Open slot
12:10-14:00	Lunch and poster session	
	<p>Session: <i>Regenerative medicine, drug delivery</i></p> <p>Moderator: tbd</p>	<p>Session: <i>Microplasma arrays</i></p> <p>Moderator: tbd</p>
14:00-14:20	Dr. Angel Barranco , CSIC, "Plasma assisted fabrication of multilayered PLGA membranes for guided bone regeneration in oral surgery"	Dr. Volker Schulz-von der Gathen , Ruhr-Universität Bochum, "Microplasma arrays: concept, configuration characteristics and potential applications"
14:20-14:40	Open slot	Open slot
14:40-15:00	Prof. Dimitrios S. Mataras , University of Patras, "Plasma processing for drug delivery systems"	Open slot
15:00-15:20	Open slot	Open slot
15:20-15:40	Open slot	Open slot
15:40-16:00	Closure of the 4th International Plasma Science & Entrepreneurship Workshop	

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