

## Workshop program

### Day 1 (December 26<sup>th</sup>) – (bio)medical & Industrial Applications

<b>(Bio)Medical &amp; Industrial Applications</b>			
9:00	9:15	opening	
9:15	9:45	Prof Carlijn VC Bouten PhD, Eindhoven University of Technology, Professor of Cell-Matrix Interaction, Laboratory for Cell and Tissue Engineering Biomedical Engineering, Eindhoven, The Netherlands;	“Challenges for next generation tissue engineering approaches. Can plasma treatments advance the field?”
9:45	10:15	Dr. Eichler, Fraunhofer Institut für Schicht- und Oberflächentechnik (IST), Braunschweig , Germany;	“SELECT: Commercialized Tool for Patterned Plasma Surface Engineering (Fraunhofer IST/ SÜSS MicroTec AG)”.
10:15	10:45	Prof. Fabio Palumbo PhD, Consiglio Nazionale delle Ricerche (CNR), Bari, Italy;	“Development of innovative plasma processes for biomedical applications”
10:45	11:15	break	
11:15	11:45	Dr. Oliver Pabst, Fraunhofer Institute for Applied Optics and Precision Engineering (IOF). Germany;	“Inkjet printed functional materials combined with plasma and laser techniques for microfluidic lab-on-a-chip systems”
11:45	12:15	Jasper van Weerd, PhD, CEO LipoCoat BV io, Enschede , The Netherlands;	“plasma enabled Bio inspired coating”
12:15	12:45	Barry Twomey, Enbio BV, Ireland;	“Use of plasma to deposit active biological materials onto surfaces for new therapeutic options in medical device manufacture“
12:45	13:45	lunch	
13:45	14:15	Prof. Vittorio Colombo PhD, Università di Bologna, Italy;	“Plasma medicine activities with different sources”
14:15	14:45	Luc Scheres, PhD, Surfrix BV, Wageningen, The Netherlands;	“Advanced Surface Modification”

14:45	15:15	Prof. Joël De Coninck, PhD, Laboratoire de Physique des Surfaces et Interfaces, Centre de Recherche en Modélisation Moléculaire, Mons, Belgium ;	“Plasma technology for the design of new biosensors“
15:15	15:45	Carlos M. D. Mota, PhD, Department of Complex Tissue Regeneration (CTR), Institute for Technology-Inspired Regenerative Medicine (MERLN), Maastricht, The Netherlands;	“Tuning physicochemical properties of biomaterial scaffolds for regenerative medicine.”
15:45	16:15	break	
16:15	16:45	Prof. Dr. Ing. Peter Awakowicz, Ruhr-Universität Bochum, Lehrstuhl für Allgemeine Elektrotechnik und Plasmatechnik AEPT, Bochum, Germany;	"Quantitative plasma diagnostics of a DBD for wound treatment and its correlations to protein modifications“
16:45	17:15	Dr. Aart van Amerongen, Wageningen UR biomolecular Sensing & diagnostics, The Netherlands;	“Next generation POC reader for microarray diagnostics“
17:15	17:45	break	
17:45	19:15	poster presentation	
19:30	21:00	Social event; City trip Ghent	
21:00	-	Social event; Dinner	

## Day 2 (November 27<sup>th</sup>) – Application dicoverry

### Application Discovery

9:00	9:15	opening	
9:15	9:45	Prof. Timo Gans, PhD , Chair in Low Temperature Plasmas, York Plasma Institute, Department of Physics, University of York, Heslington York, UK;	"Reactive species delivery by atmospheric pressure micro-plasmas: Quantification and Control"
9:45	10:15	Remi Dussart, Professor, GREMI (Groupe de Recherches sur l'Energétique des Milieux Ionisés) , CNRS/Université d'Orléans, Orleans, France;	"DC micro discharge arrays"
10:15	10:45	Dr. Anton.Nikiforov, Department of Applied Physics, Ghent University, Belgium;	"Atmospheric pressure plasma jets diagnostics: optical emission and laser induced fluorescence spectroscopy"
10:45	11:15	break	
11:15	11:35	Dr. Matteo Gherardi, PhD, Università di Bologna & founder of AlmaPlasma, Bologna, Italy;	"Plasma treatment of materials and for materials synthesis"
11:35	11:55	Dr. Jos Maas, PhD, Phenom World, Eindhoven , The Netherlands;	"Advances in table-top Scanning Electron Microscopy (SEM) – closing the gap with floor-standing SEM systems"
11:55	12:15	Dr. Thomas Willers , Head of Applications & Science KRÜSS GmbH, Hamburg, Germany;	"A new way of optical contact angle measurements using a liquid needle"
12:15	12:45	break	
12:45	13:05	Ir. Richard Bijlard, Invenios, Santa Barbara, United states;	"Revolutionairy process enables permanent bonding of various materials at room temperature"
13:05	13:25	Ir. Marcel Grooten MSc, Managing Director Domicro BV, Amsterdam, The Netherlands;	"plasma assisted production tooling for hybrid Electronics"
13:25	14:25	Lunch	
14:25	14:45	Ir. Ralph van Oorschot, MA3 Solutions, Son, the Netherlands;	"Pushing the boundaries in microfluidic dispensing"

14:45	15:05	Dr. David Fernandez Rivas, PhD, MESA+, Assistant Professor Mesoscale Chemical Systems & BubClean bv , Enschede , The Netherlands;	"Surface modification by cavitation"
15:05	15:25	Dr. Ir. Alquin Stevens, PhD, Cofounder & CTO InnoPhysics bv, Eindhoven, The Netherlands;	"Recent developments in digital $\mu$ PlasmaPrint surface modification"
15:25	15:55	break	
15:55	16:15	Dr. Cas A.J. Damen, Twente Solid State Technology B.V. , Enschede , The Netherlands;	"Pulsed Laser Deposition (PLD), a versatile deposition technique for growing thin films"
16:15	16:35	Dr. Ir. Yves Creyghton, PhD, TNO/Solliance, Eindhoven, The Netherlands;	"Plasma Enabled Spatial Atomic Layer Deposition"
16:35	16:55	Dr Harm Knoops, ALD Technical Sales Specialist, Oxford Instruments Plasma Technology, United Kingdom ;	"Atomic Layer Deposition: Plasma, Patterning?, and Growth on Polymers"