iPlasmaNano preliminary program

iPlasmaNanoXIII 2024, Hamburg

	Sunday	Monday	Tuesday	Wednesday	Thursday
	15. Sept.	**16. Sept.**	**17. Sept.**	**18. Sept.**	**19. Sept.**
8:50		Welcome			
9:00		1 Anthony	2 Shiratani	3 Go	4 Belmonte
9:15					
9:30					
9:45		1 Shukurov	11 Sanchez-Valencia	18 Sgonina	28 Strunskus
10:00					
10:15		2 Felizardo	12 Ruzic	19 Brüser	29 Navascués
10:30					
10:45		Coffee break	Coffee break	Coffee break	Coffee break
11:00		3 Cvelbar	13 Barranco	20 De Meyer	30 Mascher
11:15					
11:30		4 Chiang	14 Kozák	21 Fuentes	31 Vahl
11:45					
12:00		5 Marath	15 Reck	22 Radovanov	32 Hansen
12:15					
12:30		Lunch	Lunch	Lunch	Lunch
12:45					
13:00					
13:15					
13:30					
13:45					
14:00		6 Faupel	16 Khatibi	23 Kersten	
14:15					
14:30		7 Keidar	17 Benedikt	24 Nikitin	
14:45					
15:00		8 Weltmann	Coffee break	25 Schneider	
15:15					
15:30		Coffee break		Coffee break	
15:45		9 Chaker	Excursion Airbus	26 Niemann	
16:00					
16:15		10 Košiček		27 Brandenburg	
16:30					
16:45	Registration				
17:00					
17:15					
17:30					
17:45					
18:00	Welcome reception				
18:15					
18:30					
18:45					
19:00			Dinner	Conf. dinner	

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Sunday 15. Sept.		
16:00 - 18:00	Registration	
18:00 - 19:30	Welcome reception	
Monday 16. Sept.		
8:50 - 9:00	Welcome	
9:00 - 9:45	Rebecca Anthony	*Nonthermal plasma synthesis of nanomaterials*
9:45 - 10:15	Andrey Shukurov	*Hybrid Boron/Plasma Polymer Nanoparticles for Green Energy Generation*
10:15 - 10:45	Edgar Felizardo	*Versatile plasma-based machine for the production of Nanomaterials*
10:45 - 11:00	Coffee break	
11:00 - 11:30	Uros Cvelbar	*Quo Vadis Plasma Nanoscience and Nanotechnology*
11:30 - 12:00	Wei-Hung Chiang	*Plasma Engineering of Zero-Dimensional Semiconductor and Metal Nanostructures*
12:00 - 12:30	Santosh Marath	*Plasma-designed Nanohybrids for Future Energy Storage Applications*
12:30 - 14:00	Lunch	
14:00 - 14:30	Franz Faupel	*Ways out of the climate and sustainability crisis – what is opinion, what is knowledge, do we have the power to change something?*
14:30 - 15:00	Michael Keidar	*Adaptive Low-temperature plasmas*
15:00 - 15:30	Klaus-Dieter Weltmann	*Plasma Medicine – Knowledge and technology transfer FROM THE IDEA TO THE PRODUCT*
15:30 - 15:45	Coffee break	
15:45 - 16:15	Mohamed Chaker	*Synthesis and characterization of oxide materials*
16:15 - 16:45	Martin Košiček	*Thermal and plasma-assisted manipulation of copper oxide nanomaterials*

Tuesday 17. Sept.		
9:00 - 9:45	Masaharu Shiratani	*Application of Gray-Box Approach Using Machine Learning to Plasma Deposition*
9:45 - 10:15	Juan Ramon Sanchez-Valencia	*Plasma synthesis of advanced multifunctional nanoarchitectures for energy harvesting applications*
10:15 - 10:45	David Ruzic	*Advanced Techniques for the Growth and Monitoring of Nano-Structured Carbon Materials in Plasma Environments*
10:45 - 11:00	Coffee break	
11:00 - 11:30	Angel Barranco	*Development and applications of conformal aerogel-like oxide films by plasma deposition*
11:30 - 12:00	Tomáš Kozák	*Plasma diagnostics and modelling of NbC sputtering and deposition in HiPIMS discharges*
12:00 - 12:30	Kristian Amand Reck	*Early-Stage Silver Growth on SiO2 and Polystyrene deposited by DCMS, HiPIMS and Bi-Polar HiPIMS*
12:30 - 14:00	Lunch	
14:00 - 14:30	Ali Khatibi	*In-flight Synthesis of Individual Atoms Via Atmospheric Pressure Non-Equilibrium Plasma*
14:30 - 15:00	Jan Benedikt	*Atmospheric plasma helix jet for the generation of functionalised semiconductor and metal nanoparticles*
15:00 - 15:15	Coffee break	
15:50 - 18:40	Excursion Airbus	
19:00 - 22:00	Dinner	

Wednesday 18. Sept.		
9:00 - 9:45	David Go	*Electrifying the Future: Non-Thermal Plasmas for Revolutionizing Goods Production*
9:45 - 10:15	Kerstin Sgonina	*Plasma-assisted catalysis at atmospheric pressure*
10:15 - 10:45	Volker Brüser	*Enzyme catalyzed CO2 conversion supported by nanosecond-pulsed DBD*
10:45 - 11:00	Coffee break	
11:00 - 11:30	Robin De Meyer	*In-situ Plasma Studies using a Direct Current Microplasma in a Scanning Electron Microscope*
11:30 - 12:00	Dilver Fuentes	*Operando-DRIFTS investigations on non-thermal plasma induced generation of CO from CO2: Experimental Set-up and preliminary results*
12:00 - 12:30	Svetlana Radovanov	*Microwave discharge modeling in Argon and Hydrogen*
12:30 - 14:00	Lunch	
14:00 - 14:30	Holger Kersten	*Investigation of the Ionization Region in a Magnetron Plasma of a Gas Aggregation Source for Cluster Formation*
14:30 - 15:00	Daniil Nikitin	*Gas aggregation for Cu3N nanoparticle formation using a cylindrical post-magnetron*
15:00 - 15:30	Viktor Schneider	*New insights into plasma parameters in a dual-frequency capacitively coupled rf discharge*
15:30 - 15:45	Coffee break	
15:45 - 16:15	Jessica Niemann	*Optically trapped microparticles in a dual-frequency capacitively coupled rf discharge*
16:15 - 16:45	Ronny Brandenburg	*Carbon Dioxide Splitting in Dielectric Barrier Discharges: Scaling with the Specific Input Energy*
19:00 - 22:00	conference dinner	

Thursday 19. Sept.		
9:00 - 9:45	Thierry Belmonte	*How do you select your nanoparticle synthesis process in the plasma-in- liquid aisle of your supermarket?*
9:45 - 10:15	Thomas Strunskus	*Vapor phase deposited metal-polymer nanocomposite thin films for biomedical applications*
10:15 - 10:45	Paula Navascués	*Near-plasma Chemistry: a Novel Approach in Plasma Surface Engineering*
10:45 - 11:00	Coffee break	
11:00 - 11:30	Peter Mascher	*Plasma-assisted Fabrication of Functional Coatings for Photonics Applications*
11:30 - 12:00	Alexander Vahl	*Plasma-derived nanogranular matter for brain-inspired electronics*
12:00 - 12:30	Luka Hansen	*Silicon nitride membrane as entrance window for plasma-induced VUV radiation*
12:30 - 14:00	Lunch	