

Last name	First name	abstract title	Conference Code	Event	Day	Room	Time	Prese- ntation
Brinkmann	Ralf Peter	Modelling of technical plasmas & HiPIMS - from plasma physics to industrial application	Tut0101	<b>Tut1</b>	Mon, 07.09.2020	Carl-Zeiss-Saal	09:00 - 10:30	Tut
Kersten	Holger	The role of ion bombardment for thin film deposition: basics and diagnostics	Tut0102	<b>Tut1</b>	Mon, 07.09.2020	Carl-Zeiss-Saal	11:00 - 12:30	Tut
Thomas	Michael	Surface engineering with atmospheric-pressure plasmas	Tut0103	<b>Tut1</b>	Mon, 07.09.2020	Carl-Zeiss-Saal	13:15 - 14:45	Tut
Oehr	Christian	Plasma treatment of polymers and plasma polymerization	Tut0104	<b>Tut1</b>	Mon, 07.09.2020	Carl-Zeiss-Saal	15:15 - 16:45	Tut
Ehiasarian	Arutium	Fundamentals of Pulsed Plasmas	Tut0201	<b>Tut2</b>	Mon, 07.09.2020	Panorama-Saal	09:30 - 10:30	Tut
Hubička	Zdenek	Overview of Pulsed Plasma Power Supplies	Tut0202	<b>Tut2</b>	Mon, 07.09.2020	Panorama-Saal	10:30 - 12:00	Tut
Voigtländer	Dietmar	Cost- and resource effective surface layer heat treatment in Gear, Tool, Aeronautic and Automotive Industry by PulsPlasma® Nitriding	Tut0203	<b>Tut2</b>	Mon, 07.09.2020	Panorama-Saal	12:00 - 13:00	Tut
Hurkmans	Ton	Pulsed PECVD and Applications	Tut0204	<b>Tut2</b>	Mon, 07.09.2020	Panorama-Saal	13:45 - 14:45	Tut
Schiffers	Christoph	Overview of High Power Pulsed Magnetron (HIPIMS)	Tut0205	<b>Tut2</b>	Mon, 07.09.2020	Panorama-Saal	14:45 - 16:15	Tut

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van der Kolk	Gerrit Jan	Pulsed ARC Techniques	Tut0206	<b>Tut2</b>	Mon, 07.09.2020	Panorama-Saal	10:30 - 12:00	Tut
Junghähnel	Manuela	Processing on Flexible Glass - Challenges and Opportunities	Tut0301	<b>Tut3</b>	Mon, 07.09.2020	Panorama-Saal	10:30 - 12:00	Tut
Grundmann	Marius	Development of Ultrawide-Gap Semiconductors and Demonstration of Devices	RJP	<b>PL</b>	Mon, 07.09.2020	Carl Zeiss Saal	17:45 - 18:15	PL
Hosenfeldt	Tim	CO <sub>2</sub> -neutral mobility as a challenge and opportunity for plasma surface technology throughout the energy chain	PL1000	<b>PL</b>	Tue, 08.09.2020	Halle 1	09:30 - 10:15	PL
Reinders	Phillip Marvin	Development of a model to predict the s-phase thickness of plasma nitrated austenitic steels	ORA101	<b>A</b>	Tue, 08.09.2020	Carl-Zeiss-Saal	10:30 - 10:50	OR
Schütte	Thomas	Securing in-line layer thickness measurements by using spectroscopic plasma monitoring for real-time control and adjustment of refractive indices in production processes	ORA102	<b>A</b>	Tue, 08.09.2020	Carl-Zeiss-Saal	10:50 - 11:10	OR
Mareš	Pavel	Magnetron sputtering into deep grooves	ORA103	<b>A</b>	Tue, 08.09.2020	Carl-Zeiss-Saal	11:10 - 11:30	OR
Yerokhin	Aleksey	Surface characteristics underpinning fretting wear performance of duplex chameleon/PEO coatings on Al under high contact loads	KNA201	<b>A</b>	Tue, 08.09.2020	Carl-Zeiss-Saal	12:30 - 13:00	KN
Košutová	Tereza	Thermal stability of nanoparticle thin films characterized by x-ray scattering methods	ORA201	<b>A</b>	Tue, 08.09.2020	Carl-Zeiss-Saal	13:00 - 13:20	OR

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Pierson	Jean-Francois	High temperature stable ZrN-based thin films for plasmonic applications	ORA202	A	Tue, 08.09.2020	Carl-Zeiss-Saal	13:20 - 13:40	OR
Klette	Mathis	Directionally Resolved Characterization of Sputter Processes with Force Probes and Quartz Crystal Microbalances	ORA203	A	Tue, 08.09.2020	Carl-Zeiss-Saal	13:40 - 14:00	OR
Beck	Uwe	Adhesion of Coatings vs. Strength of Composite Materials – A Review of Applications Evaluated by Centrifugal Adhesion Testing (CAT)	ORA204	A	Tue, 08.09.2020	Carl-Zeiss-Saal	14:00 - 14:20	OR
Cada	Martin	Time-resolved optical emission spectroscopy of a unipolar and a bipolar pulsed magnetron sputtering discharge operated in an argon/oxygen gas mixture	KNA301	A	Tue, 08.09.2020	Carl-Zeiss-Saal	15:00 - 15:30	KN
Copplestone	Stephen M.	Scaling Particle-based Simulations of Plasma Processes to Industrial Applications using HPC	ORA301	A	Tue, 08.09.2020	Carl-Zeiss-Saal	15:30 - 15:50	OR
Obrusnik	Adam	Computer-aided engineering of industrial PVD and PECVD coating chambers: past victories, future challenges	ORA302	A	Tue, 08.09.2020	Carl-Zeiss-Saal	15:50 - 16:10	OR
Rachdi	Lazhar	Collisional-radiative model of argon plasma for industrial PECVD tool for solar cells production	ORA303	A	Tue, 08.09.2020	Carl-Zeiss-Saal	16:10 - 16:30	OR
Riedl	Helmut	Ternary transition metal diborides – Next generation protective coating materials?	KNB101	B	Tue, 08.09.2020	Halle 1	11:00 - 11:30	KN
Kipp	Christian	Influence of the compound layer composition of steel to the adhesion of DLC films	ORB101	B	Tue, 08.09.2020	Halle 1	11:30 - 11:50	OR

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Thiex	Matthias	Analysis of the MoS <sub>2</sub> supply mechanism of triboactive (Cr,Al)N+Mo:S coatings	ORB102	B	Tue, 08.09.2020	Halle 1	11:50 - 12:10	OR
Joost	Hannes	Low temperature PVD hard coatings	ORB103	B	Tue, 08.09.2020	Halle 1	12:10 - 12:30	OR
Ferreira	Fabio	Tribological properties of diamond-like carbon coatings deposited by deep oscillation magnetron sputtering in Ar-Ne discharges	KNB201	B	Tue, 08.09.2020	Halle 1	13:30 - 14:00	KN
Serra	Ricardo	Effect of HiPIMS impulse shape on DLC films deposition: process and mechanical properties	ORB201	B	Tue, 08.09.2020	Halle 1	14:00 - 14:20	OR
Santiago Varela	Jose Antonio	Tribomechanical properties of doped DLC coatings deposited by HiPIMS	ORB202	B	Tue, 08.09.2020	Halle 1	14:20 - 14:40	OR
Brugnara	Ricardo Henrique	Tribological Study of Tribocatalytically Active PVD Mo-X-N Coating	ORB203	B	Tue, 08.09.2020	Halle 1	14:40 - 15:00	OR
Cekada	Miha	Coating thickness nonuniformity on cutting tools, deposited using different PVD techniques	ORB204	B	Tue, 08.09.2020	Halle 1	15:00 - 15:20	OR
Wegh	Marvin	Hot Filament CVD Diamond Coating Technology for Cutting Tool Applications	POB004	B	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Vahidi	Alireza	Room and high-temperature tribological performance of Diamond Carbon coatings produced by HiPIMS in Ar-Ne discharges	POB005	B	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO

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Glechner	Thomas	Controlling structure and morphology of WC based thin films	POB007	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Grau	Jakob	Analysis of CVD diamond coatings on tungsten carbide tools and their ability to machine ceramic materials	POB008	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Ulrich	Thomas	Boosting the corrosion properties of PVD-TiMgGdN coated mild steels using sophisticated powder metallurgical TiMgGd targets	POB009	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Salehizadeh	Ali	The Corrosion resistance of Ag and Ag-Au/a-C nanocomposite coatings deposited by dc magnetron sputtering	POB010	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Reichle	Paul	PECVD Ceramic Hard Coatings of Various Materials and Different Testing Methods	POB011	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Bocchese	Florian	Determination of durability and optical properties for Low-E coating ZnTiAlO / Ag / ZnTiAlO	POB012	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Rohrsen	Nyengerai Che	Thin Film Sensors for Additively manufactured components	POB014	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Waidelich	Romain	Fracture toughness of TiAlN hard coatings with soft metal inclusions	POB015	<b>B</b>	Tue, 08.09.2020	Entrance East	15:30 - 16:30	PO
Thomas	Michael	Adhesive-free bonding of web-like plastic-metal combinations at low temperatures	ORC101	<b>C</b>	Tue, 08.09.2020	Panorama-Saal	11:30 - 11:50	OR

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Hegemann	Dirk	Versatility and Deposition Mechanism of Siloxane-Based Plasma Polymer Films	ORC102	C	Tue, 08.09.2020	Panorama-Saal	11:50 - 12:10	OR
Bröcker	Lars	Plasma polymerization from Ar-HMDSO mixtures by single-filament dielectric-barrier discharges	ORC103	C	Tue, 08.09.2020	Panorama-Saal	12:10 - 12:30	OR
Hoppe	Christian	Analysis and control of the nanoporosity of PE-ALD and PE-CVD SiO <sub>x</sub> -films on polydimethylsiloxane (PDMS) membranes	ORC104	C	Tue, 08.09.2020	Panorama-Saal	12:30 - 12:50	OR
Michliček	Miroslav	Plasma polymerization on porous materials: role of sticking coefficients on the penetration depth	ORC105	C	Tue, 08.09.2020	Panorama-Saal	12:50 - 13:10	OR
Umlauf	Georg	Wetting, de-icing and anti-icing behavior of roll-to-toll structured and plasma coated PU-films	ORC106	C	Tue, 08.09.2020	Panorama-Saal	13:10 - 13:30	OR
Bickel	Jan	A new thin film printing process for direct metal deposition for MEMS applications using the novel atmospheric pressure sputtering technology	ORC201	C	Tue, 08.09.2020	Panorama-Saal	14:30 - 14:50	OR
García Wong	Alexis Carlos	Oxidation of sputter-deposited vanadium nitride epitaxial films: a novel approach to obtain thermochromic VO <sub>2</sub> films	ORC202	C	Tue, 08.09.2020	Panorama-Saal	14:50 - 15:10	OR
Hegemann	Dirk	Passive Sensor Coatings to Detect Critical Temperature-Conditions in High-Performance Fiber Applications	ORC203	C	Tue, 08.09.2020	Panorama-Saal	15:10 - 15:30	OR
Rückriem	Robert	Reactive magnetron sputtering of epitaxial grown aluminum nitride on sapphire	ORC204	C	Tue, 08.09.2020	Panorama-Saal	15:30 - 15:50	OR

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Stranak	Vitezslav	Tailored ITO deposition at room temperature for optical and electrochemical bio-sensors	ORC205	C	Tue, 08.09.2020	Panorama-Saal	15:50 - 16:10	OR
Scheglov	Anna	XPS, ATR-FTIR and friction studies on modifications of polydimethylsiloxane after exposure to argon-oxygen plasma and UV radiation at 172 nm, 185 nm and 245 nm	POC004	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Hahn	Rainer	Influence of the deposition parameters on the structural evolution and thermo-mechanical properties of HiPIMS sputtered Transition metal carbides coatings	POC006	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Kohout	Michal	Magnetron Sputtering of suitable sensitive materials for Hall sensors	POC009	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Comtesse	Ralf	NEW REACTIVE SPUTTERING PROCESSES WITH BIPOLAR-PULSE-SYSTEMS	POC011	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Schumann	Erik	Sputtering of TiAl-Monolayers for Highly Planar Micro-Mirror Arrays – Stress Adjustment over Target Lifetime	POC012	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Fernandez	Ivan	Growth of nanocolumnar thin films on patterned substrates at oblique angles	POC013	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Dey	Benjamin	V doped-TiO <sub>2</sub> anatase thin films deposited by Plasma Enhanced Chemical Vapour Deposition at low substrate temperature for photocatalytic applications	POC015	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Aboualigaledari	Naghmeh	Study of non-thermal tetravinylsilane plasma by mass spectrometry	POC018	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO

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Bundesmann	Carsten	The Systematics of Reactive Ion Beam Sputter Deposition of SiO <sub>2</sub> and TiO <sub>2</sub> Thin Films	POC019	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Castro	Jose	Multifunctional coatings with antibiofouling properties	POC020	C	Tue, 08.09.2020	Entrance East	10:30 - 11:30	PO
Houska	Jiri	Maximum achievable N content in amorphous nitrides	PL2000	PL	Tue, 08.09.2020	Halle 1	17:15 - 18:00	PL
Leyens	Christoph	High-Temperature and Aerospace Coatings	PL3000	PL	Wed, 09.09.2020	Halle 1	09:00 - 09:45	PL
Hubička	Zdeněk	Hybrid Reactive High Power Impulse Magnetron Sputtering System used for the Deposition of Semiconductor Thin Films for Photoelectrochemical Applications.	ORD101	D	Wed, 09.09.2020	Carl-Zeiss-Saal	11:30 - 11:50	OR
Haye	Emile	Chromium nitride deposition onto silicon pyramids for supercapacitor applications	ORD102	D	Wed, 09.09.2020	Carl-Zeiss-Saal	11:50 - 12:10	OR
Schulz	Andreas	Renewable Energy for Nitric Acid Production with Atmospheric Microwave Plasma	ORD103	D	Wed, 09.09.2020	Carl-Zeiss-Saal	12:10 - 12:30	OR
Bibinov	Nikita	Gliding arc plasmatron- plasma chemical reactor for methane conversion	ORD104	D	Wed, 09.09.2020	Carl-Zeiss-Saal	12:30 - 12:50	OR
Madkhali	Osama	Microstructure, optical and electrical properties of p-type copper iodide thin films	ORD105	D	Wed, 09.09.2020	Carl-Zeiss-Saal	12:50 - 13:10	OR



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Virfeu	Agathe	On the bias effect in ZnSnN <sub>2</sub> thin films grown by reactive magnetron co-sputtering.	ORD106	D	Wed, 09.09.2020	Carl-Zeiss-Saal	13:10 - 13:30	OR
Rübig	Paul	EU vision and initiatives on the Energy Transition	KND201	D	Wed, 09.09.2020	Carl-Zeiss-Saal	14:30 - 15:00	KN
van de Sanden	Richard	Plasma activated electrochemical conversion for the electrification of the (chemical) industry	ORD201	D	Wed, 09.09.2020	Carl-Zeiss-Saal	15:00 - 15:30	OR
Neidhardt	Jörg	Industrial equipment and coating solutions for the challenges of the energy-transition	ORD202	D	Wed, 09.09.2020	Carl-Zeiss-Saal	15:30 - 16:00	OR
Bosch	Roel	Overview of developments of hydrogen technology	ORD203	D	Wed, 09.09.2020	Carl-Zeiss-Saal	16:30 - 17:00	OR
Kolenaty	David	Coatings of metal bipolar plates for PEM fuel cells and electrolyzers with high durability performance	ORD204	D	Wed, 09.09.2020	Carl-Zeiss-Saal	17:00 - 17:30	OR
Christy	Fadel	Oxide semiconductors and related devices produced by high power impulse magnetron sputtering and selective area atomic layer deposition methods	POD002	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Zikán	Petr	Multiscale simulation of multicathode reactive magnetron sputtering processes at industrial scale	POD006	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Troia	Mariagrazia	Gas flow simulations of a DBD plasma for deposition processes in pipes	POD007	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO

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Cipo	Julia	Diagnostic of Magnetron Sputtering by using a Passive Thermal Probe	POD008	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Reck	Kristian	Energy flux measurements on atmospheric pressure plasma spray torches with passive thermal probes	POD009	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Klette	Mathis	Directionally Resolved Characterization of Sputter Processes with Force Probes and Quartz Crystal Microbalances	POD010	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Kubečka	Martin	Predicting coating uniformity on substrates with planetary rotation in 2D and 3D	POD011	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Merli	Stefan	Self-consistent modelling of a linear microwave plasma source	POD012	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Weise	Matthias	Characterization of Surface Topometry and Determination of Layer Thickness by Scanning White Light Interference Microscopy	POD013	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Kaestner	Peter	An automated evaluation for the Rockwell indentation test	POD014	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Braun	Stefan	Evaluation of impedance spectroscopy for the characterization of dielectric thin films	POD015	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Fuger	Christoph	Influence of the crystallite size on the crack propagation in thin films	POD016	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Fernandez	Zil	Influence of the sputtering mode on thermochromic properties of LaCoO <sub>3</sub> selective layers for thermal solar collectors	POD017	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO

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Schütte	Thomas	Securing in-line layer thickness measurements by using spectroscopic plasma monitoring for real-time control and adjustment of refractive indices in production processes	POD018	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Lancok	Jan	In-situ plasma monitoring during pulsed laser deposition of Cu <sub>2</sub> O thin films and comparison with HiPIMS	POD019	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Oberberg	Moritz	The Multipole Resonance probe as a real-time in-situ plasma diagnostic for process monitoring and control	POD020	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Brindley	Joe	A robust method for in-situ gas monitoring of CVD processes using optical emission spectroscopy of a pulsed remote plasma	POD021	D	Wed, 09.09.2020	Entrance East	10:00 - 11:00	PO
Ellmer	Klaus	Energetic Tailoring of Magnetron Sputtering Deposition Processes for Defect-sensitive Materials: Transparent Conductive Oxides and other Semiconductors	KNE101	E	Wed, 09.09.2020	Halle 1	10:00 - 10:30	KN
Olejníček	Jiří	Hot hollow cathode discharge as a tool for high-rate plasma deposition of oxide thin films	ORE101	E	Wed, 09.09.2020	Halle 1	10:30 - 10:50	OR
Zauner	Lukas	Reactive HiPIMS deposition of Ti-Al-N: Influence of the deposition parameters on the cubic to hexagonal phase transition	ORE102	E	Wed, 09.09.2020	Halle 1	10:50 - 11:10	OR
Wurczinger	Dieter	PARTICLES IN VACUUM COATING TECHNOLOGY	ORE103	E	Wed, 09.09.2020	Halle 1	11:10 - 11:30	OR
Kirnbauer	Alexander	Mechanical properties and thermal stability of reactively sputtered multicomponent Hf-Ta-Ti-V-Zr nitrides	KNE201	E	Wed, 09.09.2020	Halle 1	12:30 - 13:00	KN

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Hoche	Holger	Enhancing the corrosion protection capability TiN and CrN PVD coated mild steels by addition of Mg-Rare Earth	ORE201	E	Wed, 09.09.2020	Halle 1	13:00 - 13:20	OR
Kretschmer	Andreas	Improving phase stability, hardness and oxidation resistance of reactive magnetron sputtered (Al,Cr,Nb,Ta,Ti)N thin films by Si-alloying	ORE202	E	Wed, 09.09.2020	Halle 1	13:20 - 13:40	OR
Buliř	Jiří	Magnetron sputtering of Sn acetylacetonate coatings for sensor applications	ORE203	E	Wed, 09.09.2020	Halle 1	13:40 - 14:00	OR
Chettab	Meriem	Monitoring structure and physical features of NiTiO <sub>3</sub> thin films grown by RF-magnetron sputtering	ORE204	E	Wed, 09.09.2020	Halle 1	14:00 - 14:20	OR
Czerwicz	Thierry	Are plasma nitriding treatments effective in changing wettability and evaporation of sessile water droplets on austenitic stainless steel surfaces?	KNE301	E	Wed, 09.09.2020	Halle 1	15:00 - 15:30	KN
Kohlmann	Niklas	Plasma surface interaction and modification on the nanoscale -Towards in situ TEM studies	ORE301	E	Wed, 09.09.2020	Halle 1	15:30 - 15:50	OR
Kaestner	Peter	Newest developments in Plasma Diffusion Treatment	ORE302	E	Wed, 09.09.2020	Halle 1	15:50 - 16:10	OR
Mändl	Stephan	In situ XRD for details on expanded austenite formation	ORE303	E	Wed, 09.09.2020	Halle 1	16:10 - 16:30	OR
Hippler	Rainer	Time-resolved Langmuir probe diagnostics of a bipolar high power impulse magnetron sputtering discharge.	KNF101	F	Wed, 09.09.2020	Panorama-Saal	10:30 - 11:00	KN

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Rudolph	Martin	Optimizing the deposition rate and ionized flux fraction by tuning the pulse length in high power impulse magnetron sputtering	ORF101	F	Wed, 09.09.2020	Panorama-Saal	11:00 - 11:20	OR
Dolchinkov	Ivailo	Effect of pulsed arc discharge energy on properties of doped ta-C films	ORF102	F	Wed, 09.09.2020	Panorama-Saal	11:20 - 11:40	OR
Oliveira	João	Deposition of hard and dense nanocomposite Ti-Si-N films by DOMS without the need of energetic bombardment	ORF103	F	Wed, 09.09.2020	Panorama-Saal	11:40 - 12:00	OR
Fernandez	Ivan	HiPIMS with positive pulses as a new tool to tailor film properties	ORF104	F	Wed, 09.09.2020	Panorama-Saal	12:00 - 12:20	OR
Nomine	Alexandre	Plasma and Laser enabled metallurgy of Nanoparticles: Reshape the microstructure to reshape Plasmons	KNF201	F	Wed, 09.09.2020	Panorama-Saal	13:30 - 14:00	KN
Wiegers	Katharina	A microwave plasma torch for CO2 conversion	ORF201	F	Wed, 09.09.2020	Panorama-Saal	14:00 - 14:20	OR
Acharya	Kishor	Development of an AP-DBD plasma assisted CVD process with submillimetre resolution: Experimental and Simulation approach	ORF202	F	Wed, 09.09.2020	Panorama-Saal	14:20 - 14:40	OR
Radny	Tobias	A scalable linear PECVD microwave source for transparent films	ORF203	F	Wed, 09.09.2020	Panorama-Saal	14:40 - 15:00	OR
Hofmann	Jens	Power-to-X Applications Performed by Atmospheric Microwave Plasma Torches	ORF204	F	Wed, 09.09.2020	Panorama-Saal	15:00 - 15:20	OR

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Schiffers	Christoph	12 µm PVD in HiPIMS	POF002	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Fernandez	Ivan	Anisotropic mechanical performance of TiO <sub>2</sub> coatings produced by magnetron sputtering at oblique incidence	POF004	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Immich	Philipp	Ready for the next step in tool performance !	POF006	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Kathage	Yannik	Utilization of a Cold Plasma Source for the Metal Foil Pump of a Fusion Reactor	POF007	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Froehlich	Maik	Investigations on the two step process of plasma electrolytic based etching	POF008	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Toman	Jozef	Controllable growth of graphene layer on dielectric substrate in microwave plasma torch at atmospheric pressure	POF010	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Rosenfeldt	Lukas	Energy balance of a diffuse coplanar surface barrier discharge (DCSBD)	POF013	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Nizard	Harry	OPTICAL EMISSION SPECTROSCOPY OF A LINEAR GAS-FLOW SPUTTER SOURCE FOR NANOPARTICLE GAS-AGGREGATION	POF015	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO
Pfuch	Andreas	Modification of the dry lubricant powders polyetheretherketone, polyimide and hexagonal boron nitride by atmospheric pressure plasma and subsequent embedding into nickel dispersion coatings	POF017	F	Wed, 09.09.2020	Entrance East	16:00 - 17:00	PO

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Matthews	Allan	Stages in the progress of plasma assisted PVD since its discovery and challenges for coating processes in future manufacturing.	PL4000	PL	Thu, 10.09.2020	Halle 1	09:30 - 10:15	PL
Holländer	Andreas	Polymer surface functionalization with micro-flames	ORG101	G	Thu, 10.09.2020	Panorama-Saal	10:30 - 10:50	OR
Heinß	Jens-Peter	Highly productive pretreatment of metallic substrates	ORG102	G	Thu, 10.09.2020	Panorama-Saal	10:50 - 11:10	OR
Neubert	Thomas	Treatment of soft-PVC with dielectric barrier discharge to reduce the migration of plasticizers	ORG103	G	Thu, 10.09.2020	Panorama-Saal	11:10 - 11:30	OR
Borroto	Alejandro	Periodic surface structures in thin film metallic glasses by ultra-short pulsed laser irradiation treatment	KNG101	G	Thu, 10.09.2020	Panorama-Saal	12:00 - 12:30	KN
Polaskova	Katerina	Comparison of four atmospheric pressure plasma jets applied for treatment of polypropylene	ORG104	G	Thu, 10.09.2020	Panorama-Saal	12:30 - 12:50	OR
Laourine	Feriel	Chlorine-based plasma etching of Fe-Cr alloys for the development of steel patterning: modeling, plasma diagnostics and etching rate measurements	ORG105	G	Thu, 10.09.2020	Panorama-Saal	12:50 - 13:10	OR
Libenska	Hana	Core@shell Ag@Ti nanoparticles prepared by in-flight coating	ORG106	G	Thu, 10.09.2020	Panorama-Saal	13:10 - 13:30	OR
Aliofkhazraei	Mahmood	Electrochemical Properties of Hybrid Coating Systems on Mg-based alloys with Plasma Electrolytic Oxidation Process as Pretreatment	KNH101	H	Thu, 10.09.2020	Halle 1	10:30 - 11:00	KN

Last name	First name	abstract title	Conference Code	Event	Day	Room	Time	Prese- ntation
Alhafian	Mohamed Riyad	High-temperature performance of quaternary system (Ti, Al, Cr) N deposited by HiPIMS	ORH101	H	Thu, 10.09.2020	Halle 1	11:30 - 11:50	OR
Heintze	Moritz	Elimination of Crazing Defects in Large Area Sputter Coating of Glass	ORH102	H	Thu, 10.09.2020	Halle 1	11:50 - 12:10	OR
Cavaleiro	Albano	Laser structural patterning for accelerating the self-adaption mechanism in low friction W-S-C coatings	ORH103	H	Thu, 10.09.2020	Halle 1	12:10 - 12:30	OR
Mendez Fernandez	Alvaro	Thermal stability of nanostructured TiAlN-based coatings deposited by HiPIMS with positive pulses	ORH104	H	Thu, 10.09.2020	Halle 1	12:30 - 12:50	OR
Carvalho	Sandra	Bimetallic clusters incorporated on a:C matrix for antimicrobial applications	KN1101	I	Thu, 10.09.2020	Carl-Zeiss-Saal	11:00 - 11:30	KN
Kratochvil	Jiri	Plasmonic nanoparticle-built surfaces: The effective tool for (bio)molecules detection	ORI101	I	Thu, 10.09.2020	Carl-Zeiss-Saal	11:30 - 11:50	OR
Kewitz	Thorben	Study of the local segregation of multi-component powders during a plasma spray process for biological applications	ORI102	I	Thu, 10.09.2020	Carl-Zeiss-Saal	11:50 - 12:10	OR
Fialho	Luísa	First insights of a novel antibacterial and cytocompatible porous Ta <sub>2</sub> O <sub>5</sub> surface doped with zinc oxide nanoparticles	ORI103	I	Thu, 10.09.2020	Carl-Zeiss-Saal	12:10 - 12:30	OR