Oral presenters (All) by date 00a/p-A/B/C/D-number

T-Tutorial, Pl-Plenary, WS-Workshop, I-Invited, O-General Ora 00-date, a/p-am/pm, A/B/C/D-room ∗ indicates "Student Award Candidates". 2015.9.17 last update

Invited	Session	Time	Presenter	Presentation title
Invited	20-Tutorial 1	13:00-14:20	**Andre Anders**	Fundamentals of plasma discharges and plasma sources
Invited	20-Tutorial 1	14:30-15:50	**Hiroshi Akatsuka**	Plasma Diagnostics using Optical Emission Spectroscopy
Invited	20-Tutorial 1	16:00-17:20	**Holger Kersten**	Basic aspects of dusty plasmas: generation, diagnostics and application
Invited	20-Tutorial 2	13:00-15:00	**Arutiun Ehiasarian**	High Power Impulse Magnetron Sputtering : Plasma Properties and Coating Growth
Invited	20-Tutorial 2	15:10-17:10	**Ralf Bandorf**	High Power Impulse Magnetron Sputtering
Invited	20-Tutorial 3	13:00-15:00	**Hans-Robert Metelmann**	Aesthetic Plasma Medicine - Key Points and First Results of a Clinical Study Program in Aesthetic Medicine applying Physical Plasma
Invited	20-Tutorial 3	15:10-17:10	**Thomas von Woedtke**	Aesthetic Plasma Medicine
Invited	21a-A-1	10:15-10:45	**Osamu Tsuji**	Plasma cleaning technology in semiconductor back-end process, and its application to LED packaging
Invited	21a-A-2	10:45-11:15	**Junghoon Joo**	Reliability of vacuum based plasma processing systems: experimental analysis and numerical simulation
	21a-A-3	11:15-11:30	**Jiri Bulir**	Metal blacks coating of the electron-tube anode by magnetron sputtering
	21a-A-4	11:30-11:45	**Manish Kumar**	Micro-structural, surface and electronic properties of Al doped ZnO films prepared in High Density DC Magnetron Plasmas
Invited	21a-B-1	10:15-10:45	**Masaaki Matsukuma**	Ion bombardment damage of Si/Ge/SiGe substrate – the beam and the molecular dynamics simulation study
Invited	21a-B-2	10:45-11:15	**Hae June Lee**	A Hybrid Simulation Coupled with a High Performance Particlein-Cell Monte Carlo Method for Plasma Surface Interactions of Low Temperature Plasmas
	21a-B-3	11:15-11:30	**Stephen Muhl**	A modified explanation of the hollow cathode effect
	21a-B-4	11:30-11:45	**Jaeho Kim**	Experimental and modelling studies on the variation of plasma space potential in a surface wave plasma CVD
Invited	21a-C-1	10:15-10:45	**Fumiyoshi Tochikubo**	Plasma-Induced Electrochemical Reaction and Its Application for Magnetite Nanoparticle Generation
	21a-C-2	10:45-11:00	**Md. Zahidul Islam**	Conversion of palm oil to carbon materials by plasma discharge in solution
	21a-C-3	11:00-11:15	**Xiaoliang Tang**	KHz Alternating Current Stable Plasma Generating in Room Temperature Organic Dielectric Liquid
	21a-C-4	11:15-11:30	**Xiaopeng Lu**	Influence of electrical parameters on particle uptake during plasma electrolytic oxidation processing
	21a-C-5	11:30-:11:45	**Hiroyasu Takei**	The Oxidation Characteristic in Numerically Controlled Sacrificial Oxidation with Atmospheric-Pressure Plasma
Invited	21a-D-1	10:15-10:45	**Jindrich Musil**	Hard Flexible Coatings Prepared By Magnetron Sputtering
Invited	21a-D-2	10:45-11:15	**Siegfried Krassnitzer**	S3p™, the HiPIMS solution of Oerlikon Balzers. Introduction to the technology, coating performance and outlook
	21a-D-3	11:15-11:30	**Jérémy Courtier**	Tungsten doped DLC coatings synthesized by HiPIMS for mechanical application
	21a-D-4	11:30-11:45	**Lunjuan Li**	The influence of thickness on the properties of ZnTe thin films grown by magnetron sputtering
Invited	21p-A-1	14:00-14:30	**Haruo Uyama**	Plasma in Coating Technology
Invited	21p-A-10	17:00-17:30	**Christian Oehr**	On stability of plasma functional thin films regarding biomedical application
	21p-A-11	17:30-17:45	**Xiao Dong**	Gas Flow Rate Ratio Dependence of Properties of Carbon Films Deposited using Ar + H2+ C7H8 Plasma CVD
	21p-A-2 ∗	14:30-14:45	**Guo Zheng**	Plasma Enhanced Atomic Layer Deposition of Copper Thin Film using [Cu(iPr-amd)]2 as Precursor
	21p-A-3	14:45-15:00	**Volodymyr Lukyanchenko**	Modification of electrophysical properties of oxide coatings deposited by magnetron sputtering method for biomedical applications
	21p-A-4	15:00-15:15	**Seong Cheol Kim**	Effect of Zn nanoparticles injection on the SCC mitigation of alloy 690 under simulated PWR conditions
	21p-A-5	15:15-15:30	**Yukinori Kiheda**	Development of High Density Radical Source
	21p-A-6	15:30-15:45	**Thoralf Gebel**	Ultrafast annealing of TCO layers using Flash Lamps (FLA)
Invited	21p-A-7	16:00-16:30	**Akira Horikoshi**	Advanced Plasma Material-Process Technologies with Inductively Coupled RF Plasmas Driven by Internal Low-Inductance Antenna
	21p-A-8	16:30-16:45	**Alexey A Vereschaka**	Methodology of formation of new generation multilayer coatings for cutting tools
	21p-A-9	16:45-17:00	**Pongsawat Premphet**	Magnetron Sputtering HA Thin Film Investigated Using Photoemission Electron Spectroscopy Technique
Invited	21p-B-1	14:00-14:30	**Jiri Houska**	Transition metal based functional coatings: Effect of the choice of metal element
	21p-B-10	17:15-17:30	**Yoshihiko Uesugi**	Study of Nitrogen Scavenger Effects on Hydrogenated Carbon Film Deposition and Hydrogen Isotope Absorption
	21p-B-11	17:30-17:45	**Kwang-Ho You**	Cutoff probe for magnetized plasma measurement
Invited	21p-B-2	14:30-15:00	**Jung-Sik Yoon**	Atomic and Molecular Data for Plasma Technology-Challenges and Opportunities
	21p-B-3	15:00-15:15	**Lijun Sang**	Investigation of barrier properties of DLC coatings deposited on the inner of PET bottles by microwave surface-wave plasma
	21p-B-4 ∗	15:15-15:30	**Haitao Zhang**	Nitrogen doped p-type ZnO films fabricated by HPPMS with ICP plasma
	21p-B-5	15:30-15:45	**Lenoid Shaginyan**	ABOUT THE MECHANISMS OF STRENGTHENING OF FILM MATERIALS
Invited	21p-B-6	16:00-16:30	**Holger Kersten**	Non-conventional plasma and sheath diagnostics for process plasmas
	21p-B-7	16:30-16:45	**Hiroshi Akatsuka**	Possibility of Electron Temperature and Density Monitoring of Argon Plasma by Intensity Ratio Measurement of Ar I lines
	21p-B-8	16:45-17:00	**André Ricard**	Comparison of RF and microwave (HF) flowing discharges in the production of active species in N2 and Ar-N2
	21p-B-9 ∗	17:00-17:15	**Amjed Javid**	Surface and electrical properties of carbon films synthesized using unbalanced magnetron sputtering method
Invited	21p-C-1	14:00-14:30	**Koichi Sasaki**	Productions of liquid-phase plasmas using optical and acoustic powers
	21p-C-2	14:30-14:45	**Georg Avramidis**	Plasma Based Mycotoxin Degradation
	21p-C-3	14:45-15:00	**Keigo Takeda**	Effect of Ambient Air on Reactive Species Generation in Atmospheric Pressure Ar Plasma Jet
Invited	21p-C-4	15:00-15:30	**Se Youn Moon**	Rapid formation of superhydrophobic surface using atmospheric-pressure plasma and its applications

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Invited	Session	Time	Presenter	Presentation title
	21p-C-5	15:30-15:45	**Seong Ling Yap**	Characteristics of Parallel-Plate Dielectric Barrier Discharge and Capillary-Guided Corona Discharge At Atmospheric Pressure
Invited	21p-C-6	16:00-16:30	**Remi Dussart**	DC and AC microplasmas on silicon : performances and limitations
Invited	21p-C-7	16:30-17:00	**Xingwen LI**	Study of the dynamics of the nanosecond laser produced metals plasmas in air
Invited	21p-C-8	17:00-17:30	**Yunseok Kim**	Local probing of growth kinetics in plasma-polymerized films
	21p-C-9	17:30-17:45	**Takayoshi Tsutsumi**	Prediction of Radial Distribution from Temporal Variation of Wafer Temperature in a Plasma Reactor
Invited	21-Plenary 1	09:15-10:00	**Toyonobu Yoshida**	Plasma Materials Interfacing
Invited	21-Plenary 2	13:00-13:45	**Seongjun Park**	Graphene and 2D materials for electronic devices
Invited	21-WS-1	14:00-14:30	**Makoto Kambara**	Deposition of thick SiC film by cluster-assisted mesoplasma chemical vapor deposition
Invited	21-WS-2	14:30-15:00	**Giichiro Uchida**	Fabrication of Ge nanoparticle composite films by reactive dusty plasma process for next generation energy devices
Invited	21-WS-3	15:00-15:30	**Jong-Soo Rhyee**	Crystal growth and large scale film growth of low dimensional thermoelectric and electronic materials
Invited	21-WS-4	15:30-16:00	**Ute Bergner**	Plasma surface cleaning and its verification for green technology
Invited	21-WS-5	16:00-16:30	**Volker Brüser**	Plasma-Enhanced Synthesis of Nanostructured Photo and Eletrocatalyst materials for Solar and Fuel Cell Applications
Invited	21-WS-6	16:30-17:00	**Ju-Liang He**	Surface Engineering on Titanium to Obtain Nano-TiO2 for DSSC and Lithium Ion Battery Purposes
Invited	22a-A-1	10:00-10:30	**Günter Bräuer**	Combining plasma with other deposition techniques – Advanced surfaces by hybrid processes
	22a-A-2	10:30-10:45	**Alexander Marxer**	Advances in Deposition Equipment and Process Technology for HiPIMS Coatings for Cutting Tools
	22a-A-3	10:45-11:00	**Ji-Won Kim**	Etch characteristics of MTJ layer in M-ICP
Invited	22a-A-4	11:00-11:30	**Hirotaka Toyoda**	Toward Real Uniform Sputtering – Spatial Uniformity of Thickness and Quality -
	22a-A-5	11:30-11:45	**Jan Lancok**	DC magnetron co-sputtering for Rh2MnZ, Z=Al, Bi Heusler alloys epitaxial thin films fabrication
	22a-A-6	11:45-12:00	**Ramkrishna Satyavan Rane**	Influence of process parameters on characteristics of Zinc Oxide Thin Film deposited by DC magnetron sputtering
Invited	22a-B-1	10:00-10:30	**Pascal Chabert**	Models of various microplasma sources to produce reactive oxygen species
Invited	22a-B-2	10:30-11:00	**XinPei Lu**	On several key reactive species of APPJ for plasma medicine
	22a-B-3 ∗	11:00-11:15	**Hitoshi Muneoka**	Electric Breakdown Model for High-pressure and Fluctuating Fluids near the Critical Point
	22a-B-4 ∗	11:15-11:30	**Iullia Onyshchenko**	Improvement of atmospheric pressure plasma treatment of polymers with a newly designed plasma jet
	22a-B-5	11:30-11:45	**Katsuki Tsukasaki**	Resonant Floating Electrode in Inductively Coupled Micro-Plasma Source for Power Efficiency
	22a-B-6 ∗	11:45-12:00	**Rouba Ghobeira**	Effects of several sterilization methods on the physico-chemical and bioresponsive properties of plasma treated PCL films.
Invited	22a-C-1	10:00-10:30	**Shin-Jae You**	Overview of the Cutoff Probe Research
	22a-C-2 ∗	10:30-10:45	**Elmer S. Austria Jr.**	Measurement of Plasma Temperature and Electron Density for Matrix Effect Studies in Sediment Plasma using Laser-induced Breakdown Spectroscopy
	22a-C-3	10:45-11:00	**Hiroto Matsuura**	The calorimetric estimate of shine-through power of the neutral beam system for plasma monitoring
	22a-C-4	11:00-11:15	**Zhengduo Wang**	The Characterization of Short -Tube Helicon Plasma Source and its Applications
	22a-C-5	11:15-11:30	**Pradoong Suanpoot**	Plasma Propagation Speed Model For Investigation Of Slow Electron Temperature Of Mixture Ar and N2 In Non-Thermal Atmospheric Pressure Indirect Plasma Jet
	22a-C-6 ∗	11:30-11:45	**Jinxiang Piao**	Improving L929 cell growth on hydrogen incorporated amorphous carbon films
	22a-C-7	11:45-12:00	**YU Xiao**	Model of Intense Pulsed Ion Beam Energy Deposition in a Metal Target
Invited	22a-D-1	10:00-10:30	**Mineo Hiramatsu**	Nanoplatform Based on Vertical Nanographene
Invited	22a-D-2	10:30-11:00	**Jing Zhang**	Porous Silicon-Based Nanoparticulate Film Deposited by Atmospheric Pressure Reactive Plasma and Its Novel Properties
Invited	22a-D-3	11:00-11:30	**Kazunori Koga**	Control of Nanoprticle Transport and Their Deposition for Porous Low-k Films by using Plasma Pertubation
	22a-D-4	11:30-11:45	**Tomoki Amano**	Stable structure analysis of the fuel cell electrode using the nanographene synthesized by in-liquid plasma
	22a-D-5	11:45-12:00	**Y. C. Lin**	Biocompatibility of porous TaOxNy films with various O/N ratio
Invited	22p-A-1	15:00-15:30	**Arutiun P. Ehiasarian**	High Power Impulse Magnetron Sputtering : Plasma Properties and Coating Growth
Invited	22p-A-2	15:30-16:00	**Andre Anders**	Magnetron Sputtering: Ionization Zones in DC and HiPIMS Modes
	22p-A-3	16:00-16:15	**Roman Chistyakov**	New Development in Pulse Power Sputtering of ITO, Aluminum Oxide, and Carbon Films.
	22p-A-4	16:15-16:30	**Maik Froehlich**	Combination of HiPIMS and Plasma Based Ion Implantation for Enhanced Surface Modification
	22p-A-5	16:30-16:45	**Junko Hieda**	Biocompatibility of Ti–Mg alloys fabricated by magnetron sputtering
	22p-A-6	16:45-17:00	**Yoko Yamanishi**	Processing biological material by combination of cavitation and plasma irradiation
	22p-A-7	17:00-17:15	**Sergey Victorovich Ptotnikov**	The structure and properties of the nanocomposite Nb-Al-N films
	22p-B-1	15:00-15:15	**Jayakodi Karuppiah**	Selective catalytic reduction of N2O over C3H8 with hierarchical CeO2/NiF catalyst
	22p-B-10	17:15-17:30	**Bing Dai**	Optimization of plasma in microwave reactor and synthesis of superhydrophobic amorphous carbon nanotubes on porous nickel foam
	22p-B-2	15:15-15:30	**Jin Wook Shin**	Manufacturing and Application of Powder Metallurgical Rotary Sputtering Targets for Green Energy and Energy Conservation
	22p-B-3	15:30-15:45	**Aziz Ahmed**	Phase development and effect of heating cycle on thermoelectric properties of Co-Sb based thin films
	22p-B-4	15:45-16:00	**Yasushi Inoue**	Visible-IR Spectral Change of Adsorption-induced Electrochromic Nitride Films in Nonaqueous Solution
	22p-B-5	16:00-16:15	**Tomohiro Nozaki**	Si-nanocrystals/polymer blended solar cells

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Invited	Session	Time	Presenter	Presentation title
	22p-B-6	16:15-16:30	**Z. Y. Su**	Experimental Study on the Property and Function of WO3/NiO Electrochromic Devices on A Flexible Substrate
	22p-B-7	16:30-16:45	**Hiroki Kondo**	Surface Reactions of Oxygen Species on Carbon Nanowalls
	22p-B-8	16:45-17:00	**Farah Nadia Dayana Binti Samsudin**	NON-THERMAL PLASMA FOR AIR AND WATER REMEDIATION
	22p-B-9 ∗	17:00-17:15	**Athorn Vora-ud**	Study of microstructural, electrical and thermoelectric properties of GeSbTe Thin films synthesized using Pulsed-DC Magnetron Sputtering
Invited	22p-C-1	15:00-15:30	**Takafumi Yao**	The role of buffer layers in thin film growth: surface/interface engineering in thin film growth
Invited	22p-C-2	15:30-16:00	**Liverios Lymperakis**	Interplay of kinetics and thermodynamics of epitaxially grown wide bandgap semiconductors
Invited	22p-C-3	16:00-16:30	**Toru Akiyama**	Ab-initio based approach for epitaxial growth processes of III-ntride semiconductor thin films
Invited	22p-C-4	16:30-17:00	**Naho Itagaki**	Single Crystal Growth on Large Lattice-Mismatched Substrates by Using Buffer Layers with Fine Grains
Invited	22-Plenary 3	09:00-09:45	**Ralf Bandorf**	High density plasmas for advanced coatings
Invited	22-Plenary 4	14:00-14:45	**Takeshi Bessho**	Surface Finishing Technologies for Automotive Industries
Invited	22-WS-1	15:00-15:30	**Gary Vergason**	Upward Mobility – Moving to Greener Properties
Invited	22-WS-2	15:30-16:00	**Tim Hosenfeldt**	Plasma Surface Engineering as Key Technology for Future Mobility
Invited	22-WS-3	16:00-16:30	**Bokyung Kim**	HMC Advanced Coating Technologies for Increasing the Energy Efficiency
Invited	22-WS-4	16:30-17:00	**Hiroshi Tamagaki**	Deposition technologies for tribological hard coatings for automotive components
Invited	22-WS-5	17:00-17:30	**Youngha Jun**	High Density Plasma Nitriding via Hollow Cathode Discharge for Automotive Parts
Invited	22-WS-6	17:30-18:00	**Roel Tietema**	Developments in PVD/PECVD coatings for automotive applications
Invited	23a-A-1	10:00-10:30	**Takayuki Watanabe**	Water Thermal Plasmas for Environmental Application
Invited	23a-A-2	10:30-11:00	**Peter Kaestner**	Plasma Diffusion Treatment – the recent state of technology
	23a-A-3	11:00-11:15	**Ryuta Ichiki**	Creation of TiN surface on Titanium by Nitrogen Diffusion from Atmospheric-Pressure Plasma Jet
	23a-A-4	11:15-11:30	**Jungheum Yun**	Ultrathin Silver Conducting Electrodes for Flexible Polymer Substrates
	23a-A-5	11:30-11:45	**Xiaohuzs Chen**	Oxidation of double-glow plasma NiCoCrAlY coating on γ-TiAl based Alloy
	23a-A-6	11:45-12:00	**Amir Hossein Sari**	Mixing of Ta-Steel System Using a Compressed Plasma Flow
Invited	23a-B-1	10:00-10:30	**Holger Hoche**	How to design PVD coatings with improved corrosion properties
	23a-B-2	10:30-10:45	**Jenq-Gong Duh**	Development of Si-modified CrAlSiN Nanocomposite Coating for Anti-wear Application in Extreme Environment
	23a-B-3	10:45-11:00	**Gennady Remnev**	Flexible Hard Al-Si-N Films for High Temperature Operation
	23a-B-4	11:00-11:15	**JoungHyun La**	Microstructure Design to Improve the Adhesion Strength of Zn-Mg Coatings Deposited by Magnetron Sputtering
	23a-B-5	11:15-11:30	**Christian Stein**	Cubic boron nitride (c-BN) + nanostructured nitride hard coatings for high temperature tool applications
	23a-B-6	11:30-11:45	**Jiaqi Zhu**	Diamond phase nucleation and growth on graphite plate through hydrogen plasma etching by MWCVD
	23a-B-7	11:45-12:00	**Amir H. Ramezani**	Ththe effect Argon ion implantation on coroosion resistance Tantalum
Invited	23a-C-1	10:00-10:30	**Jennifer Hyunjong Shin**	What Can the Atmospheric Pressure Plasma Do To Biological Systems: From Cells to Organisms?
	23a-C-2	10:30-10:45	**Hiromasa Tanaka**	Cellular and molecular responses of plasma-activated medium treated cells
	23a-C-3	10:45-11:00	**Masafumi Jinno**	Mechanism of Plasma Gene Transfection
Invited	23a-C-4	11:00-11:30	**Katharina Stapelmann**	Interaction of reactive species produced by a DBD in air with skin and skin components
Invited	23a-C-5	11:30-12:00	**SangYul Lee**	Plasma in solution and its application to the nanoparticle synthesis
Invited	23p-A-1	14:15-14:45	**Ho Jun Kim**	Importance of fluid dynamic investigation in plasma reactor design
Invited	23p-A-2	14:45-15:15	**Tetsuya Tatsumi**	Challenges of controlling plasma induced damage on Si devices
	23p-A-3	15:15-15:30	**Yuichi Setsuhara**	Low-Temperature Formation of a-IGZO TFTs with ICP-Enhanced Reactivity-Controlled Sputter Deposition
	23p-A-4	15:30:15:45	**Jang-Hsing Hsieh**	Effects of discharge current and oxygen ratio on the properties of IGZO thin films prepared by ion-beam-assisted deposition
Invited	23p-A-5	15:45-16:15	**Pung Keun Song**	Nodule formation and arcing generation on magnetron sputtering TCO target.
	23p-A-6	16:15-16:30	**Jung-Hoon Yeom**	Creating Self-Healing Gas Barriers By Vacuum Polymerisation
Invited	23p-B-1	14:15-14:45	**Naoto Ohtake**	Deposition of Diamond-like Carbon Films by Nanopulse Plasma CVD
Invited	23p-B-2	14:45-15:15	**Joerg Patscheider**	How to Tune the Thermal Conductivity of Hard Coatings - from Theory to Experiments
	23p-B-3	15:15-15:30	**Thulasi Raman**	Modulus graded Ti-C coating on Ti-6Al-4V aerospace alloy.
	23p-B-4	15:30-15:45	**Hua Li**	Control of Defects on Chromium Nitride Coating Through Magnetron Sputtering
	23p-B-5	15:45-16:00	**Giselle Ramirez**	Surface topography improvement of WC/C coating by tool steel substrate selection
	23p-B-6	16:00-16:15	**Saleh Abusuilik**	Tribological and Adhesion Properties of Tetrahedral Amorphous Carbon Coatings for Forming Tools
	23p-B-7	16:15-16:30	**ZeLei Zhang**	Resisting corrosion at high temperatures by adds Nb to Fe-Al intermetallic coating
	23p-C-1	14:15-14:30	**Ayako Oyane**	Laser-Assisted Calcium Phosphate Precipitation on Metal Alloy in Supersaturated Calcium Phosphate Solution
	23p-C-2	17:30-17:45	**Jun S. Lee**	Synthesis of silicon nitride-like thin films deposited by VHF (40.68MHz) PECVD for gas barrier application
	23p-C-3	14:45-15:00	**Tomy Abuzairi**	Study of CNT Biochip Sensor Functionalized by Ultrafine Atmospheric Pressure Plasma Jets Using Avidin-Biotin System
	23p-C-4	15:00-15:15	**Min W. Lee**	Plasma applications in surface treatment of carbon fiber
	23p-C-5	15:15-15:30	**Mahtab Asadian**	Effects of plasma treatment on protein adsorption of nanofibrous scaffolds suitable for tissue engineering
	23p-C-6	15:30-15:45	**Rim Bitar**	Atmospheric pressure plasma activation of PP films with a localized µplasma printer
	23p-C-7	15:45-16:00	**Priyanka Vasanthakumari**	Atmospheric Pressure Plasma Based Development of Plasmonically Active Polymer Optical Fiber Probes

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	23p-C-8	16:00-16:15	**Hwanjae Lee**	The effect of post-annealing on bias stability of InOx/ZnO superlattice thin film transistors grown by plasma enhanced atomic layer deposition
	23p-C-9	16:15-16:30	**Lee Ming Chuan**	Compression Dynamics And X-ray Emission From A Neon Plasma Focus
Invited	23-Plenary 5	09:00-09:45	**Bert Elingboe**	Plasma Source Design Challenges to meet Next Generation Manufacturing Needs
	23-Plenary 6	13:15-14:00	**Alexander Fridman**	Plasma Medicine: Novel Approach to Cancer Treatment
Invited	23-WS-1	14:15-14:45	**Timo Gans**	Quantification and tailoring of reactive species delivery for controlled plasma healthcare technologies
Invited	23-WS-2	14:45-15:15	**Gyungsoon Park**	Control of plant fungal diseases and development by plasma
Invited	23-WS-3	15:15-15:45	**Shinya Toyokuni**	Direct exposure of non-thermal plasma confers simultaneous oxidative and ultraviolet modifications in biomolecules: Application to cancer therapy
Invited	23-WS-4	15:45-16:15	**Lenka Zajickova**	Perspectives of Plasma Polymers in Bio- and Environmental Applications
Invited	23-WS-5	16:15-16:45	**Akiyo Tanaka**	Health Effects of Indium Nanoparticles
Invited	23-WS-6	16:45-17:15	**Sun Jung Kim**	Genome-wide methylation analysis identifies involvement of cell death and cancer-related pathways in cold atmospheric plasma-treated breast cancer cells
Invited	24a-A-1	10:00-10:30	**Rajdeep Singh Rawat**	High growth rate synthesis of carbon nanostructures using high temperature high energy density as well as low temperature plasmas
	24a-A-2	10:30-10:45	**Hye Min Kim**	Preparation of Nanostructured Manganese Dioxide by Solution Plasma Processing
	24a-A-3	10:45-11:00	**Silvia Grande**	Plasma Modification of Pre-Electrospinning PCL Polymer Solutions
	24a-A-4	11:00-11:15	**Hailing Yu**	A Two-Steps Method toward Superhydrophobic SiC Nanowires and Emission of Ultraviolet Photoluminescence
	24a-A-5	11:15-11:30	**Long Zhang**	O2 plasma Treated Substrate for Ultrathin and Continuous PVDF Ferroelectric Film
	24a-A-6	11:30-11:45	**Jia Lingyun**	Effects of Radical Species on Crystallographic Properties of Amorphous Carbon Films Synthesized by Radical Injection Plasma Enhanced Chemical Vapor Deposition
	24a-A-7	11:45-12:00	**Hyungjun Cho**	Modification of chemical bonding structures and electrical properties of carbon nanowalls by Ar/F2 post-treatments
Invited	24a-B-1	10:00-10:30	**Sven Ulrich**	New HiPIMS - microwave plasma source - hybrid technology for tribological and protective coatings
	24a-B-2	10:30-10:45	**Oleksandr V. Bondar**	Influence of High-Dose Ion Implantation on Structure and Properties of Nitrides of High-Entropy Alloys
	24a-B-3	10:45-11:00	**Shihong Zhang**	The Preparation of NiCr-Cr3C2 Gradient Coating on Narrow Copper Mold Deposited by HVOF
	24a-B-4	11:00-11:15	**Jin Jiao Xia**	Synergic Effect of Al and Y on the oxidation behavior of TiAl intermetallics alloys
	24a-B-5	11:15-11:30	**Xixi Luo**	Tribological properties of the Fe-Al-Cr alloyed layer by double glow plasma surface metallurgy
	24a-B-6	11:30-11:45	**Rustam Ashurov**	Intermediate Layers with Chemical Affinity and Graded Transitions for Adjusting of Thermal Barrier Coating
	24a-B-7	16:15-16:30	**Moon-Ki Han**	Characteristics of hydrocarbon thin film on steel surface by linear microwave plasma using Ar/CH4 Gas Mixture
Invited	24a-C-1	10:00-10:30	**Cheorun Jo**	Application of Atmospheric Pressure Plasma in Meat Manufacturing Process
Invited	24a-C-2	10:30-11:00	**Koichi Takaki**	Plasma and pulsed power applications for agriculture
	24a-C-3	11:00-11:15	**Choncharoen Sawangrat**	Argon DBD Plasma Process on Fungal Decontamination of Hot Pepper Seeds (cv. Jakkra-pat)
	24a-C-4	11:15-11:30	**Shinya Kumagai**	Irradiating Cells Cultured in Microwells with Low-Temperature Atmospheric Pressure Plasma
	24a-C-5	11:30-11:45	**Byong Hoon Seo**	Study on RF-induced atmospheric plasma jet using laser Thomson, Rayleigh and Raman scattering
Invited	24p-B-1	14:00-14:30	**Kazuo Terashima**	Plasmas in Extraordinary Environments: Cryoplasmas and Supercritical Fluid Plasmas
	24p-B-2	14:30-14:45	**Pieter Cools**	Stability study of plasma polymerized acrylic acid coatings at sub-atmospheric pressure.
	24p-B-3	14:45-15:00	**Gaelle Aziz**	Effects of the plasma parameters on the stability and ageing of plasma polymerized allylamine coatings
	24p-B-4	15:00-15:15	**Haijiao Yang**	The Influence of Substrate Temperature on Performances of SiOx Coating by Atmospheric Pressure Plasma Jet
	24p-B-5	15:15-15:30	**Stijn Van Vrekhem**	Effect of plasma process parameters on the properties of HMDSO-based thin films deposited using an atmospheric pressure plasma jet
	24p-B-6	15:30-15:45	**B. B. Sahu**	Role of RF/UHF hybrid plasmas on the low temperature deposition of the SiNx: H film in PECVD process
	24p-B-7	15:45-16:00	**Ping-Wen Chen**	Achieving Bio-inspired Tough Titanium Dioxide /Polyimide Multilayer Coatings via Hybrid Coating System
	24p-B-8	16:00-16:15	**Jeong-Mu Lee**	Growth characteristics and electrical properties of indium oxide and zinc oxide superlattice thin films by plasma enhanced atomic layer deposition
Invited	24p-C-1	14:00-14:30	**Jun-Seok Oh**	UV absorption spectroscopy for measuring absolute concentration of reactive oxygen and nitrogen species (RONS) in plasma activated water
	24p-C-10	16:45-17:00	**Koskinen Jari**	Nano carbon hybride thin films as electrode material in neural sensing
Invited	24p-C-2	14:30-15:00	**Kerstin Thorwarth**	DLC coatings on metallic medical implants: what we can learn from problems of the past
	24p-C-3	15:00-15:15	**Yoshihisa Ikeda**	Contribution of the Reactive Species to the Plasma Gene Transfection
	24p-C-4	15:15-15:30	**Ryugo Tero**	Poration Process of Artificial Cell Membranes Induced by Plasma-Generated Active Species
	24p-C-5	15:30-15:45	**Anyarat Watthanaphanit**	A strategy to Synthesize Highly Stable Colloidal Nanoparticles for Imaging-Guided Cancer: Solution Plasma Processing
	24p-C-6	15:45-16:00	**Jean-Philippe Sarrette**	Treatment of Arabidopsis thaliana seeds with N2/O2 late afterglows
	24p-C-7	15:45-16:15	**Christin Rapp**	SiOx/TiO2 composite coatings deposited by open air atmospheric pressure plasma jet for bone implants
	24p-C-8	16:15-16:30	**Seungmin Ryu**	Comparison of Non-biodegradable wastewater treatment efficiency Using Fenton Process and Water Surface Plasma
	24p-C-9	16:30-16:45	**Jason Hsiao Chun yang**	Flexible DLC Coating on Silicone Catheter and its Biological Property
Invited	24-Plenary 7	09:00-09:45	**Wonho Choe**	Application Perspective of Plasma Technology for Food Industry
Invited	24-WS-1	14:00-14:30	**Sungkwon Jo**	Strategy for the effective utilization of plasma catalysis
Invited	24-WS-2	14:30-15:00	**Ch. Subrahmanyam**	Catalytic Nonthermal plasma assisted abatement of dilute VOCs
Invited	24-WS-3	15:00-15:30	**Young-Hoon Song**	Practical Use of Plasma Fuel Reformer in Environmental Technologies
Invited	24-WS-4	15:30-16:00	**Young Sun Mok**	Plasma-catalytic Reactor for Combined Removal of Hydrocarbon and Carbon Monoxide over r-Alumina Supported Catalysts
Invited	24-WS-5	16:00-16:30	**Yong Cheol Hong**	TBD