

## POSTER SESSION #1 (MONDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-1	Poster	<i>Cross sections for H2 and NH3 relevant to N2-H2 plasma modelling</i>	Baghel Shubham Singh	Elementary processes and fundamental data
M-2	Poster	<i>Microwave Plasma CVD growth of Diamond for NV- Applications</i>	Davis William	Plasma processing of surfaces and particles
M-3	Poster to be considered for a student award	<b><i>Cold Atmospheric Pressure Plasma (CAP) Jet for Endodontic applications</i></b>	Mishra Abhijit	Medical, biological, environmental and aeronautical applications
M-4	Poster to be considered for a student award	<b><i>Fast Plasma Nanomodification of Graphitic Carbon Nitride by Amide and Carboxyl Groups for Enhanced Sulfamethoxazole Degradation in Wastewater: Detailed Experimental and DFT Study</i></b>	Zažimal František	Plasma processing of surfaces and particles
M-5	Poster	<i>Plasma-Activated Fog treatments as sustainable protective tool in post-harvest</i>	Aceto Domenico	Medical, biological, environmental and aeronautical applications
M-6	Poster	<i>Hold-Off Voltage Computation in Industrial Gas Insulation</i>	Ferreira Nuno	Modelling and simulation techniques, Non-equilibrium plasmas and microplasmas at high pressure
M-7	Poster	<i>Investigation of an Ar/C<sub>2</sub>H<sub>2</sub> temporal plasma after-glow employing MCRS and LIP techniques</i>	Salinaro Michela	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
M-8	Poster to be considered for a student award	<b><i>Modeling of methane plasmalysis via NRP discharges</i></b>	Goutier Pierre-Antoine	Non-equilibrium plasmas and microplasmas at high pressure
M-9	Poster	<i>Vacuum arcs with volatile cathode materials</i>	Beilis Isak	Plasma wall interactions, electrode and surface effects
M-10	Poster	<i>Enhanced UVC surface decontamination by mercury-free excimer lamp-phosphor systems</i>	Maho Thomas	Medical, biological, environmental and aeronautical applications

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POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-11	Poster	<i>Quantitative evaluation of the thrust efficiency in a parallel-plate pulsed plasma thruster</i>	Watanabe Masayuki	Medical, biological, environmental and aeronautical applications
M-12	Poster	<i>Electron beam divergence and instability in ionospheric plasmas</i>	Mori Koichi	Other applications such as low temperature plasma applications for magnetically confined fusion
M-13	Poster	<i>CH<sub>4</sub> plasma in water to produce H<sub>2</sub> and hydrophilic carbon solids</i>	Saito Atsushi	Plasma in/with liquids
M-14	Poster to be considered for a student award	<b><i>Development of a Low-Pressure Hydrogen Dielectric Barrier Discharge</i></b>	Sali J. J. Jörgen	<b>Thermodynamics and transport phenomena, Low pressure plasmas</b>
M-15	Poster	<i>Atomic nitrogen versus vibrational excited molecular nitrogen in ammonia synthesis using low-pressure nitrogen-hydrogen plasma</i>	Sasaki Koichi	Medical, biological, environmental and aeronautical applications
M-16	Poster	<i>Modeling electron beam-induced evaporation of macroparticles in vacuum arc plasma</i>	Litovko Iryna	Modelling and simulation techniques
M-17	Poster	<i>Neutralization of Ion Beams at Low Background Gas Pressures</i>	Hopkins Matthew	Other applications such as low temperature plasma applications for magnetically confined fusion
M-18	Poster	<i>Study of rotating structures in E×B plasmas and their implications on charged particle transport</i>	Stevens J.	Low pressure plasmas
M-19	Poster to be considered for a student award	<b><i>Dynamics of CCRF argon plasma with aerosol pulsed injection</i></b>	Valdovinos Aguilar Luis	<b>Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas</b>
M-20	Poster	<i>Optical actinometry in CF<sub>4</sub>-containing plasmas</i>	Silva Tiago	Low pressure plasmas

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POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-21	Poster	<i>Automated Processing of High-Frequency Electrodeless-Lamp Spectra</i>	Zorina Natalja	Plasma diagnostics methods
M-22	Poster	<i>Quantification of ammonia production in a surface discharge over a wide pressure range</i>	Wolf Vinzenz	Plasma processing of surfaces and particles
M-23	Poster	<i>Mass spectrometry of plasma reactive species produced by a surface DBD source</i>	Skoro Nikola	Plasma diagnostics methods
M-24	Poster	<i>Influence of axial magnetic field on the ion flux uniformity in a VHF CCP</i>	Eremin Denis	Low pressure plasmas
M-25	Poster	<i>Disinfection of Bacteria- and Fungi-Contaminated Tap Water Using a Gliding Arc in Air with CO<sub>2</sub> Bubbling</i>	Mobasher Mona	Medical, biological, environmental and aeronautical applications
M-26	Poster	<i>Comparison of three plasma reactors in contact with water: application to micro-pollutant degradation</i>	Ben Othmen Cyrine	Medical, biological, environmental and aeronautical applications, Plasma in/with liquids
M-27	Poster	<i>Modeling approach for an atmospheric pressure, compressed air inductively coupled plasma torch with arbitrary geometry</i>	Gils Anne Van	Modelling and simulation techniques
M-28	Poster to be considered for a student award	<b><i>Quenching of a magnetically stabilized arc discharge at different pressures for CO<sub>2</sub> conversion</i></b>	Vasilev Veselin	<b>Medical, biological, environmental and aeronautical applications</b>
M-29	Poster	<i>Modelling of diffusion and viscosity of carbon nanoparticles in low-temperature plasma</i>	Kodanova Sandugash	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
M-30	Poster to be considered for a student award	<b><i>Control of average ion energy and ion flux through incorporation of helium in inductively coupled and capacitively coupled hydrogen plasmas</i></b>	Kellermann-Stunt Maximilian	<b>Low pressure plasmas</b>

## POSTER SESSION #1 (MONDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-31	Poster to be considered for a student award	<i>Subcellular Visualization of Cold Atmospheric Plasma Effects on Living Cell Surfaces Using Scanning Ion Conductance Microscopy</i>	Nguyen Han	Medical, biological, environmental and aeronautical applications
M-32	Poster	<i>An introduction to a series of linear plasma devices within CRAFT project in China</i>	Yang Xin	Other applications such as low temperature plasma applications for magnetically confined fusion
M-33	Poster	<i>Electron properties and non-thermal equilibrium in an 80 kV nanosecond discharge studied by incoherent Thomson scattering</i>	Tardiveau Pierre	High frequency and pulsed discharges, Non-equilibrium plasmas and microplasmas at high pressure
M-34	Poster	<i>Effects of ion irradiation on the structure of a-C:H films deposited using cumene plasma CVD</i>	Eri Manato	Plasma processing of surfaces and particles
M-35	Poster to be considered for a student award	<i>Temporal evolution of NO density after nanosecond repetitively pulsed discharges in plasma-assisted combustion</i>	Gablier Renaud	High frequency and pulsed discharges
M-36	Poster to be considered for a student award	<i>Study of a surface wave plasma under the influence of pulsed gas injections by rapid imaging</i>	Brochier Jules	Low pressure plasmas
M-37	Poster to be considered for a student award	<i>Experimental study and modelling of high temperature N<sub>2</sub>/CH<sub>4</sub> plasma</i>	Merhaben Cyrine	Non-equilibrium plasmas and microplasmas at high pressure
M-38	Poster	<i>Evaluation of rice seed coat penetration characteristics of plasma-generated reactive oxygen species using the KI-starch</i>	Shi Heping	Medical, biological, environmental and aeronautical applications
M-39	Poster to be considered for a student award	<i>Numerical and theoretical investigation of the ECRIPAC accelerator concept</i>	Cernuschi Andrea	Low pressure plasmas
M-40	Poster to be considered for a student award	<i>Electron density measurements in a H<sub>2</sub>/Ar microwave microplasma</i>	Jeevan Joel	Plasma diagnostics methods

## POSTER SESSION #1 (MONDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-41	Poster to be considered for a student award	<i>Study of the physical properties of different <math>\mu\text{m}</math>-scale He plasma jets</i>	Agha Yanis	Non-equilibrium plasmas and microplasmas at high pressure
M-42	Poster	<i>Real-time tracking of emissive species and gas temperature in a pulsed MHCD during the deposition of h-BN on a Si substrate</i>	Menacer Belkacem	Plasma diagnostics methods
M-43	Poster	<i>Indoor air decontamination by non-thermal DBD plasma and photocatalysis</i>	Machala Zdenko	Medical, biological, environmental and aeronautical applications
M-44	Poster	<i>Plasma irradiation to cytokines and immune cell in culture medium using a porous membrane plasma source</i>	Nakamura Hinako	Medical, biological, environmental and aeronautical applications
M-45	Poster	<i>Application of non-conformal triangular meshes in fluid modelling of low-temperature plasma discharges.</i>	Semenov Igor	Modelling and simulation techniques
M-46	Poster	<i>Optical Emission Spectroscopy of Ar/CO<sub>2</sub>/H<sub>2</sub>O plasmas generated in a modified surfatron device</i>	Rodero Serrano Antonio	High frequency and pulsed discharges, Non-equilibrium plasmas and microplasmas at high pressure
M-47	Poster	<i>Active species in the afterglow of MW N<sub>2</sub> plasma</i>	Starostine Serguei	Plasma diagnostics methods
M-48	Poster	<i>Plasma deposition of III-V semiconductors: sputtering and RPVPE approaches</i>	Ouaras Karim	Low pressure plasmas
M-49	Poster	<i>Streamer-to-spark transition: time-resolved imaging and time evolution of <math>n_e</math> and <math>T_p</math></i>	Hamdan Ahmad	Plasma in/with liquids
M-50	Poster	<i>Measurement of the electric field distribution in streamer discharges</i>	Nijdam Sander	Plasma diagnostics methods

## POSTER SESSION #1 (MONDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-51	Poster	<i>The McWhirter criterion revisited for laser-induced plasmas</i>	Bultel Arnaud	Non-equilibrium plasmas and microplasmas at high pressure
M-52	Poster	<i>Production of durable superhydrophobic coatings using atmospheric pressure plasma</i>	Kyrykbay Baglan	Plasma processing of surfaces and particles
M-53	Poster to be considered for a student award	<i>Temperature measurements in methane NRP discharges</i>	Delahaie Sara	High frequency and pulsed discharges
M-54	Poster to be considered for a student award	<i>Effects of He addition to Ar/C2H2 PECVD on a-C:H film properties</i>	Nagamine Kazuki	Plasma processing of surfaces and particles
M-55	Poster	<i>Bridging structure and magnetism of diluted magnetic semiconductor films using nitrogen-mediated crystallization</i>	Shiratani Masaharu	Plasma processing of surfaces and particles
M-56	Poster to be considered for a student award	<i>2D spatial mapping of the fundamental properties of a microwave argon plasma jet in contact with surfaces</i>	Khazem Fatima	Non-equilibrium plasmas and microplasmas at high pressure, Plasma diagnostics methods
M-57	Poster	<i>The 2025 status report on the LXCat project</i>	Carbone Emile	Elementary processes and fundamental data
M-58	Poster	<i>Ionization Region Model (IRM) for Helium High Power Impulse Magnetron Sputtering (HiPIMS) with Mo target</i>	Zakaria Belkaid	Modelling and simulation techniques
M-59	Poster to be considered for a student award	<i>A hybrid FTIR system for process characterization and in-situ plasma diagnostics for gas conversion reactors</i>	Franco Francesco	Plasma diagnostics methods
M-60	Poster	<i>Elucidation of the Nitrogen Blue Afterglow in Atmospheric Pressure Helium Plasma Jet</i>	Enomoto Jun	Plasma diagnostics methods

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POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-61	Poster	<i>Influence of air admixture in an Ar pin-jet on water treatment</i>	Jovanović Olivera	Plasma in/with liquids
M-62	Poster	<i>Controlling Pulsed Dielectric Barrier Discharges Using Shaped High-Voltage Waveforms</i>	Van Oorschot Jeroen	Non-equilibrium plasmas and microplasmas at high pressure
M-63	Poster	<i>Particle-In-Cell Study of Laser Wakefield Acceleration in a Gas Cell for GeV-Scale High-Quality Electron Beams</i>	Maity Srimanta	Modelling and simulation techniques, Collective and nonlinear phenomena
M-64	Poster	<i>Time and space dependence of iodine atomic density produced by laser photodissociation</i>	Drag Cyril	Thermodynamics and transport phenomena
M-65	Poster to be considered for a student award	<b><i>Measurement of N<sub>2</sub>(C) and N<sub>2</sub>(B) quenching rate constants</i></b>	<b>Du Garreau De La Mechenie Jean-Loup</b>	<b>Elementary processes and fundamental data</b>
M-66	Poster	<i>Synergistic effect of coupling Non thermal plasmas with perovskite-type membranes for oxygen permeation</i>	Sadi Dihya	Low pressure plasmas
M-67	Poster	<i>Ion acceleration in a diverging magnetic nozzle : Laser Induced Fluorescence measurements and expansion model.</i>	Pioch Romain	Thermodynamics and transport phenomena
M-68	Poster	<i>Particle-in-Cell Modeling of EUV-Induced Plasma Dynamics in Lithography Exposure Chamber</i>	Sharova Yulia	Plasma wall interactions, electrode and surface effects, Plasma processing of surfaces and particles, Low pressure plasmas
M-69	Poster	<i>About the sensitivity of atomic hydrogen surface loss coefficients with respect to Si contamination</i>	Remigy Alice	Plasma wall interactions, electrode and surface effects
M-70	Poster	<i>Log-normal density scaling of species embedded in chemical network topology in low-temperature silane plasma</i>	Sakai Osamu	Modelling and simulation techniques

## POSTER SESSION #1 (MONDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
M-71	Poster	<i>Evidence for sputtering of D and O adsorbed on W(110) by a D<sub>2</sub><sup>+</sup> ion beam</i>	Latournerie Matthieu	Plasma wall interactions, electrode and surface effects
M-72	Poster	<i>ps-TALIF and streak camera system for measuring sub-ns decay times and densities of reactive atoms in collisional microplasmas</i>	Gazeli Kristaq	Plasma diagnostics methods
M-73	Poster	<i>Effects of material properties on Surface Semiconducting Barrier Discharges</i>	Taihi Ayah Soundous	Non-equilibrium plasmas and microplasmas at high pressure
M-74	Poster	<i>Electrohydrodynamic flows induced by DC and AC needle-to-liquid discharges</i>	Frederic Dyson	Plasma in/with liquids

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-1	Poster to be considered for a student award	<i>Synchronization phenomenon of plasma generation between plasmas with slightly different driving frequencies</i>	Iwanaga Nano	Collective and nonlinear phenomena
Tu-2	Poster	<i>The study on the distribution of dust particles in Capacitively Coupled Radio Frequency (CCRF) discharges</i>	Zhang Yingying	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
Tu-3	Poster to be considered for a student award	<i>Electric field measurements of single and multi-jet systems</i>	Sidharth Sidharth	Elementary processes and fundamental data, Medical, biological, environmental and aeronautical applications, Plasma diagnostics methods
Tu-4	Poster	<i>Kinetic mechanisms and species densities in Ar/N<sub>2</sub>, He/N<sub>2</sub> and H<sub>2</sub>/N<sub>2</sub> reduced pressure afterglows</i>	Sarrette Jean-Philippe	Elementary processes and fundamental data, Plasma diagnostics methods
Tu-5	Poster	<i>Kinetics of Excited Metastable Species and Ionization in a Ns Pulse Discharge Afterglow</i>	Adamovich Igor	High frequency and pulsed discharges
Tu-6	Poster to be considered for a student award	<i>Investigation of Electric Field Dynamics and Backward Discharge in Atmospheric-Pressure Nano-Pulsed DBD</i>	Wang Yuhui	High frequency and pulsed discharges
Tu-7	Poster to be considered for a student award	<i>Characterization of a plasma generated by nanosecond repetitively pulsed discharges in a swirled stabilized combustor</i>	Perrin-Terrin Jean-Baptiste	High frequency and pulsed discharges
Tu-8	Poster	<i>Temporal evolution of the Sn concentration in pulsed MHz DBD atomizer</i>	Pazderka Michal	High frequency and pulsed discharges
Tu-9	Poster	<i>Discharge Plasma Source for Laser Plasma Accelerator at ELI ERIC</i>	Whitehead Alex	High frequency and pulsed discharges
Tu-10	Poster to be considered for a student award	<i>Plasma-assisted combustion in a premixed H<sub>2</sub>/air flame</i>	Perrin-Terrin Jean-Baptiste	High frequency and pulsed discharges

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-11	Poster to be considered for a student award	<i>Analytical Modelling of the Interaction Between an Intense Electromagnetic Pulse and a Spherical Plasma Discharge</i>	Juste Maëva	High frequency and pulsed discharges
Tu-12	Poster	<i>The Impact of Electrode Contact with Water on Plasma Bubbles in Plasma-Water Treatments</i>	Petkovic Jovana	High frequency and pulsed discharges, Plasma wall interactions, electrode and surface effects, Plasma in/with liquids
Tu-13	Poster to be considered for a student award	<i>Preheating Temperature Study in a Graphite Electrode Based Plasma Gasification Chamber for Waste Processing</i>	Rana Tejashwi	High pressure and thermal plasma processing
Tu-14	Poster	<i>Plasma Diffusion in a Filament-Heated DC Discharge System: Role of Floating Chamber Wall</i>	Joshi Pragya	Low pressure plasmas
Tu-15	Poster to be considered for a student award	<i>A Feasible Tomographic Reconstruction Strategy for Optical Diagnostics in Capacitively Coupled Plasma</i>	Lee Hyunseung	Low pressure plasmas
Tu-16	Poster to be considered for a student award	<i>A minimally invasive surgical platform for pancreatic and biliary tract cancers using cold atmospheric plasma: The EIC project "Ignite-PLASMA"</i>	Giotis Konstantinos	Medical, biological, environmental and aeronautical applications
Tu-17	Poster to be considered for a student award	<i>Cold Plasma-Driven Pectin Extraction from Dragon Fruit Peels: A Sustainable Approach for Stronger Biodegradable Films</i>	Mishra Ritesh	Medical, biological, environmental and aeronautical applications
Tu-18	Poster	<i>Enhancing CO2 Plasma Conversion with In-Situ Oxygen Removal Using SOECs</i>	Chen Xingyu	Medical, biological, environmental and aeronautical applications
Tu-19	Poster to be considered for a student award	<i>Evaluating the efficacy of clove extract activated by cold plasma as a novel approach for caviar processing</i>	Jamshidi Alashti Fatemeh	Medical, biological, environmental and aeronautical applications
Tu-20	Poster	<i>Influence of current intensity on combustion in scramjet</i>	Rocamora Ancelin	Medical, biological, environmental and aeronautical applications

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-21	Poster	<i>Spatiotemporal Colorimetric Response of KI-Starch on Reactive Oxygen Species</i>	Kazunori Koga	Medical, biological, environmental and aeronautical applications
Tu-22	Poster	<i>Impairment and recovery of immune cell function induced by oxygen plasma irradiation</i>	Yonesu Hinako	Medical, biological, environmental and aeronautical applications
Tu-23	Poster	<i>Liquid purification from bacteria and viruses by surface dielectric barrier discharge</i>	Lavrikova Aleksandra	Medical, biological, environmental and aeronautical applications
Tu-24	Poster	<i>Temperature and electron density investigation of micro structured pin-to-pin discharge for Hydrogen production</i>	Garcia Soto Carolina Alejandra	Medical, biological, environmental and aeronautical applications
<b>Tu-25</b>	<b>Poster to be considered for a student award</b>	<b><i>Modelling of positive and negative streamers interaction in dry air with imposed density gradient</i></b>	<b>Paredes Joaquin</b>	<b>Medical, biological, environmental and aeronautical applications</b>
Tu-26	Poster	<i>Direct H<sub>2</sub>O<sub>2</sub> Delivery and Initial Cellular Responses in Marchantia polymorpha upon Cold Plasma Irradiation</i>	Tsuboyama Shoko	Medical, biological, environmental and aeronautical applications
Tu-27	Poster	<i>Simulation of an ionization wave propagating along a silicon-based surface</i>	Herrmann Antoine	Modelling and simulation techniques
Tu-28	Poster	<i>Influence of photo-ionization on propagation of streamer discharges at atmospheric pressure</i>	Nikic Dejan	Modelling and simulation techniques
Tu-29	Poster	<i>Simulation of He APPJ - dielectric surface action process under external electric field</i>	Wang Lijun	Modelling and simulation techniques
Tu-30	Poster	<i>Towards a spatial dust fluid model</i>	Janssen Jesper	Modelling and simulation techniques

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-31	Poster	<i>Progress report on the LoKI-B+C simulation tool</i>	Pereira P.	Modelling and simulation techniques
Tu-32	Poster	<i>Recent developments on LoKI-MC: Coulomb collisions and efficient null-collision method</i>	Dias Tiago	Modelling and simulation techniques
Tu-33	Poster	<i>Two-way coupling of plasma-fluid interactions for ionic wind modelling</i>	Dias Coelho Marques Jose Maria	Modelling and simulation techniques
Tu-34	Poster	<i>Axisymmetric fluid streamer model with curvilinear electrodes in the AMReX environment</i>	Simonovic Ilija	Modelling and simulation techniques
Tu-35	Poster	<i>Comparison of PIC and Experimental Pin-to-Plane Breakdown</i>	Moore Chris	Modelling and simulation techniques
Tu-36	Poster	<i>Argon metastable densities in CO<sub>2</sub>/N<sub>2</sub>/Ar DC glow discharges at Mars atmospheric pressures</i>	Ben Slimane Tarek	Modelling and simulation techniques
Tu-37	Poster	<i>Optimizing Ammonia Decomposition for Enhanced Hydrogen Production: A Comparative Study of Carrier Gases</i>	Garcia Maria C	Non-equilibrium plasmas and microplasmas at high pressure
Tu-38	Poster	<i>Numerical investigation of stability of pin-to-plane negative corona in air</i>	Pedro Jorge Gomes Camacho Almeida	Non-equilibrium plasmas and microplasmas at high pressure
Tu-39	Poster	<i>Optimisation study of a DBD for CO<sub>2</sub> conversion using in-depth electrical analysis</i>	Buddhadasa Madhuwanthi	Non-equilibrium plasmas and microplasmas at high pressure
Tu-40	Poster	<i>Synergistic control of radical generation in a radio frequency atmospheric pressure plasma jet via voltage waveform tailoring and structured electrodes</i>	Vass Mate	Non-equilibrium plasmas and microplasmas at high pressure

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-41	Poster to be considered for a student award	<i>Self-organized luminous pattern formation in a pin-to-plate DC glow discharge generated in helium</i>	Miyazaki Toshiaki	Non-equilibrium plasmas and microplasmas at high pressure
Tu-42	Poster	<i>Parametric study of NO reduction in a confined RF plasma in atmospheric pressure helium</i>	Sigeneger Florian	Non-equilibrium plasmas and microplasmas at high pressure
Tu-43	Poster	<i>RF Magnetron Plasma nitriding of quartz</i>	Muhl Stephen	Other applications such as low temperature plasma applications for magnetically confined fusion
Tu-44	Poster	<i>Mass separation using rotating electric and magnetic fields</i>	Fruchtman Amnon	Other applications such as low temperature plasma applications for magnetically confined fusion
Tu-45	Poster	<i>Combining Infrared transmission and Raman scattering for the fundamental study of CO<sub>2</sub> plasma – surface interaction : in situ probing of CeO<sub>2</sub> surface and bulk properties</i>	Sadi Dihya	Plasma diagnostics methods
Tu-46	Poster to be considered for a student award	<i>Time-resolved spectroscopic investigation of N<sub>2</sub>/H<sub>2</sub> low-temperature plasmas</i>	Maestri Luca	Plasma diagnostics methods
Tu-47	Poster	<i>Multi-diagnostic of dust growth in a capacitive Ar/C<sub>2</sub>H<sub>2</sub> plasma</i>	Herrero Víctor J.	Plasma diagnostics methods
Tu-48	Poster	<i>Laser Induced Breakdown Spectroscopy from fs to ns laser pulses for the detection of deuterium in fusion plasma walls</i>	Hussain Arshad	Plasma diagnostics methods
Tu-49	Poster	<i>High-sensitivity E-FISH measurement on low-pressure streamer discharge</i>	Wang Jianan	Plasma diagnostics methods
Tu-50	Poster to be considered for a student award	<i>Femtosecond laser-induced fluorescence for atmospheric plasma diagnostics: Stark detuning and power saturation effects</i>	Pascual Fort Carmen	Plasma diagnostics methods

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-51	Poster to be considered for a student award	<i>Influence of ambient air humidity on discharge modes for a pin-to-pin discharge with a water droplet</i>	Riazantceva Valentina	Plasma in/with liquids
Tu-52	Poster	<i>Simulating H<sub>2</sub>O<sub>2</sub> and OH-driven chemical reaction kinetics and diffusive mass transport in a He/H<sub>2</sub>O-plasma treated water</i>	Wright Matthew	Plasma in/with liquids
Tu-53	Poster	<i>Bubble formation and droplet ejection from liquid metals interacting with inductively coupled hydrogen plasma</i>	Sasaki Koichi	Plasma in/with liquids
Tu-54	Poster	<i>Space- and Time-Resolved Studies in Liquid Water Discharges: Insights into Emission Continua and Atomic Line Profiles during Primary and Reflected Pulses</i>	Arora Garima	Plasma in/with liquids
Tu-55	Poster	<i>Controlling plasma produced fluxes to liquid surfaces by acoustic structuring: applications to plasma driven solution electrochemistry</i>	Doyle Scott	Plasma in/with liquids
Tu-56	Poster	<i>Investigation of reactive species formation in surface dielectric barrier discharge with liquid electrodes</i>	Galmiz Oleksandr	Plasma in/with liquids
Tu-57	Poster to be considered for a student award	<i>Characterization and optimisation of a plasma source for the biological decontamination of wastewater in volume.</i>	Saba Maria	Plasma in/with liquids
Tu-58	Poster to be considered for a student award	<i>Plasma-based Nanoarchitectonics for Dual Gate Graphene Field Effect Transistor (GFET) Device: Effect of Plasma Parameters on Transistor Properties</i>	Verma Monika	Plasma processing of surfaces and particles
Tu-59	Poster to be considered for a student award	<i>Sputter epitaxy of atomically flat Zn<sub>1-x</sub>Mg<sub>x</sub>O films on sapphire using wurtzite MgO buffer layer fabricated in Ar/O<sub>2</sub> discharges</i>	Otsuyama Hiroki	Plasma processing of surfaces and particles
Tu-60	Poster to be considered for a student award	<i>A poly diagnostic study of an atomic oxygen plasma source: Application in cultural heritage</i>	Poupouzas Michail	Plasma processing of surfaces and particles

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POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-61	Poster to be considered for a student award	<i>Magnetron sputtering deposition of strained epitaxial SrTiO<sub>3</sub> thin films on MgO vicinal surfaces</i>	Familsatarian Elnaz	Plasma processing of surfaces and particles
Tu-62	Poster	<i>Production of durable superhydrophobic coatings using atmospheric pressure plasma</i>	Kyrykbay Baglan	Plasma processing of surfaces and particles
Tu-63	Poster	<i>Influence of Gas Pressure On Quartz and Silicon Etching in a Dual-Frequency Capacitively Coupled NF<sub>3</sub>/Ar/O<sub>2</sub> Plasma</i>	Mei Xianxiu	Plasma processing of surfaces and particles
Tu-64	Poster	<i>Surface Modification of Polyethylene by Atmospheric Pressure Plasma Jet</i>	Wangkanai Jidchanok	Plasma processing of surfaces and particles
Tu-65	Poster	<i>Sulphur-containing organic films grown by SH<sub>2</sub>/CH<sub>4</sub>/He plasmas</i>	Peláez Ramón	Plasma processing of surfaces and particles
Tu-66	Poster	<i>Enhancement of Cu and Ti catalysts with nano-structuring by laser irradiation and simultaneous chemical modification by plasma treatment</i>	Schicke Alexander	Plasma processing of surfaces and particles
Tu-67	Poster	<i>COMSOL simulation for dual frequency inductively coupled plasma</i>	Alemu Biruk	Plasma processing of surfaces and particles
Tu-68	Poster	<i>Insights into the Role of Plasma Jet Reactive Species for the Formation of Gold-based Nanocatalysts Confined in Nanoreactors</i>	Boitel-Aullen Gabriel	Plasma processing of surfaces and particles
Tu-69	Poster	<i>Study of ozone production by surface processes</i>	Mazankova Vera	Plasma wall interactions, electrode and surface effects
Tu-70	Poster	<i>Microscopic and macroscopic investigation of He bubbles formation on tungsten via in situ spectroscopic ellipsometry</i>	Pappalardo Federica	Plasma wall interactions, electrode and surface effects

## POSTER SESSION #2 (TUESDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Tu-71	Poster	<i>High-pressure inductively coupled plasmas with bidirectional vortex gas injection</i>	Corr Cormac	Thermal plasmas
Tu-72	Poster to be considered for a student award	<i>Voltage evolution in low pressure free electric arcs in air</i>	Pietri Carla	Thermal plasmas
Tu-73	Poster	<i>Study of stopping processes and transport proper- ties of heated dense plasmas based on the density functional theory</i>	Uderbayeva Akbota	Thermodynamics and transport phenomena

## POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-1	Poster	<i>Insights into nucleation of nanodiamonds in micro-plasma</i>	Prasanna Swaminathan	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
Th-2	Poster	<i>Photoionization process in a nonextensive plasma</i>	Lee Myoung-Jae	Elementary processes and fundamental data
Th-3	Poster	<i>Inelastic momentum transfer cross-sections for electron-impact excitation in Helium: scaling rules for <math>n \geq 4</math> states</i>	Carman Robert	Elementary processes and fundamental data
Th-4	Poster to be considered for a student award	<b><i>Variable-pulse streamer discharges using an Impedance-matched Marx Generator</i></b>	Meekes Wouter	<b>Elementary processes and fundamental data, High frequency and pulsed discharges</b>
Th-5	Poster	<i>Recent advances in reproducible plasma simulation: LXCat 3.0 and LoKI-B++</i>	Boer Daan	Elementary processes and fundamental data, Modelling and simulation techniques
Th-6	Poster	<i>Application of field electron emission model to pulsed discharge</i>	Takahashi Kazuhiro	High frequency and pulsed discharges
Th-7	Poster	<i>Modified plasma pencil for use in chemical trace element detection</i>	Medek Tomas	High frequency and pulsed discharges
Th-8	Poster	<i>Plasma phenomena in a quartz-less oversized microwave reactor</i>	Smits Felix	High frequency and pulsed discharges
Th-9	Poster	<i>Preventing the formation of vortexes in an atmospheric ICP</i>	Terraz Loann	High frequency and pulsed discharges, Thermodynamics and transport phenomena, High pressure and thermal plasma processing
Th-10	Poster	<i>Carbon-Enhanced Plasma-Based CO<sub>2</sub> Conversion: From Fixed Beds to Direct Microparticle Injections</i>	Eivazpour Taher Ataollah	High pressure and thermal plasma processing

### POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-11	Poster	<i>Spectral characteristics of indium-argon inductively coupled plasma</i>	Abola Anda	Low pressure plasmas
Th-12	Poster	<i>Experimental characterisation of the electrode-to-wall area ratio's influence on the plasma and electrode potential for large cathode size</i>	Hiret Paul	Low pressure plasmas
Th-13	Poster	<i>Magnetic Controlled Plume: A Non-Mechanical Approach to Beam Steering</i>	Balachandran Neethu	Low pressure plasmas
Th-14	Poster	<i>Detection of reactive species in plasma-treated water using Electrochemical Impedance Spectroscopy</i>	Saeedeh Saeedeh	Low pressure plasmas, Plasma in/with liquids
Th-15	Poster	<i>Evaluation of growth characteristics of sugarcane in response to plasma-activated leafmold application</i>	Okumura Takamasa	Medical, biological, environmental and aeronautical applications
Th-16	<b>Poster to be considered for a student award</b>	<b><i>Design and Evaluation of a Low-Cost Air Ionic Wind Thruster</i></b>	<b>Polanšek Juš</b>	<b>Medical, biological, environmental and aeronautical applications</b>
Th-17	Poster	<i>Numerical Modeling of Ionic Wind and Ozone Production in a DC Corona Discharge under Humid Air Conditions</i>	Khattara Toufik	Medical, biological, environmental and aeronautical applications
Th-18	Poster	<i>Surface-enhanced NOx formation in microwave-driven atmospheric pressure air plasma with downstream catalyst</i>	Gans Jonas	Medical, biological, environmental and aeronautical applications
Th-19	Poster	<i>Transient phase of the flow field induced by an AC-driven SDBD</i>	Giotis Konstantinos	Medical, biological, environmental and aeronautical applications
Th-20	Poster	<i>Improved efficiency in micro-structured plasma reactor for Hydrogen production using a pin to pin spark configuration</i>	Jacquart Maxime	Medical, biological, environmental and aeronautical applications

### POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-21	Poster to be considered for a student award	<i>Zero-Dimensional Simulation of Nitrogen NRP Discharges and Dissociation Efficiency</i>	Roger Edouard	Modelling and simulation techniques
Th-22	Poster	<i>Modeling of N2-H2 DC discharges for ammonia production</i>	Alves Luís	Modelling and simulation techniques
Th-23	Poster	<i>Boosting the NOx production in microwave air plasma: A synergy of chemistry and vibrational kinetics</i>	Shen Qinghao	Modelling and simulation techniques
Th-24	Poster	<i>Magnetic moment based on gyrocoordinates in partially magnetized plasmas in an axisymmetric magnetic field</i>	Vogelhuber Lukas	Modelling and simulation techniques
Th-25	Poster	<i>PICCOLO: a PIC code suite for low-temperature plasmas</i>	Taccogna Francesco	Modelling and simulation techniques
Th-26	Poster	<i>Data-driven reduced modeling of streamer discharges in air</i>	Teunissen Jannis	Modelling and simulation techniques
Th-27	Poster	<i>Self-consistent PLASIMO global model for dust growth and plasma chemistry</i>	Van 't Veer Kevin	Modelling and simulation techniques, Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
Th-28	Poster	<i>Electric Field and Chemical Kinetics in a Nano-second-Pulsed DBD in Humid Air</i>	Popoli Arturo	Modelling and simulation techniques, High frequency and pulsed discharges, Non-equilibrium plasmas and microplasmas at high pressure
Th-29	Poster	<i>Spatiotemporal distribution of surface potential on barrier during atmospheric pressure Townsend discharge in air and N2</i>	Osawa Naoki	Non-equilibrium plasmas and microplasmas at high pressure
Th-30	Poster to be considered for a student award	<i>Impact of different dielectric materials on the performance and optical features of a Micro-Hollow Cathode Discharge</i>	Chazapis Nikolaos	Non-equilibrium plasmas and microplasmas at high pressure

### POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-31	Poster	<i>Hybrid mode of DBD at atmospheric pressure in Ar-HMDS mixtures: modelling and experimental studies</i>	Stankov Marjan	Non-equilibrium plasmas and microplasmas at high pressure
Th-32	Poster	<i>Numerical thermalization in 3D PIC plasma simulations</i>	Park Ryan	Non-equilibrium plasmas and microplasmas at high pressure
Th-33	Poster	<i>Gradient nanosecond pulsed plasmas for enhanced deflagration to detonation transition: measurements of atomic oxygen density production and reduced electric field</i>	Lafaurie Victor	Non-equilibrium plasmas and microplasmas at high pressure
Th-34	Poster	<i>Computational study of a pulsed atmospheric pressure dielectric barrier discharge (DBD) in humid air</i>	Van Hove Sarah	Non-equilibrium plasmas and microplasmas at high pressure
Th-35	Poster	<i>Design and safety assessment of a low-temperature plasma device for the treatment of large and medium wounds</i>	Liao Jiunn-Der	Non-equilibrium plasmas and microplasmas at high pressure
Th-36	Poster	<i>Systematic experimental investigation of N<sub>2</sub>/H<sub>2</sub> plasmas for NH<sub>3</sub> synthesis in a dielectric barrier discharge</i>	Meindl Arne	Non-equilibrium plasmas and microplasmas at high pressure
Th-37	<b>Poster to be considered for a student award</b>	<b><i>Fluid Dynamics and Surface Interactions of Helical Plasma Plumes in a Radiofrequency Atmospheric Pressure Plasma Jet</i></b>	<b>T. P. Radhika</b>	<b>Non-equilibrium plasmas and microplasmas at high pressure</b>
Th-38	Poster	<i>Diffuse Dielectric Barrier Discharge in air: role of Ozone?</i>	Naude Nicolas	Non-equilibrium plasmas and microplasmas at high pressure
Th-39	<b>Poster to be considered for a student award</b>	<b><i>Atmospheric re-entry plasma characterization</i></b>	<b>Brault Adrien</b>	<b>Non-equilibrium plasmas and microplasmas at high pressure, Plasma wall interactions, electrode and surface effects, Plasma diagnostics methods</b>
Th-40	Poster	<i>Experimental comparison of detached vibrationally-resolved D<sub>2</sub> SOLPS-ITER simulations on MAST-Upgrade</i>	Bryant Joseph	Other applications such as low temperature plasma applications for magnetically confined fusion

## POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-41	Poster	<i>First measurements of the WEST Thomson scattering system</i>	Schiesko Loïc	Other applications such as low temperature plasma applications for magnetically confined fusion
Th-42	Poster to be considered for a student award	<b><i>LIBS for fusion : tungsten and boron spectral characterization</i></b>	Gosse Léo	<b>Plasma created by laser and EUV radiations</b>
Th-43	Poster	<i>Fiber PROES: High-Speed, Low-Cost Plasma Monitoring</i>	Korolov Ihor	Plasma diagnostics methods
Th-44	Poster to be considered for a student award	<b><i>Comparison of PMT and iCCD detectors for resolving low SNR TALIF signals in hydrogen plasmas</i></b>	Hörsch Julian	<b>Plasma diagnostics methods</b>
Th-45	Poster	<i>On the gas temperature variations in a DC Ar/N<sub>2</sub> MHCD</i>	Stefas Dimitrios	Plasma diagnostics methods
Th-46	Poster	<i>The Applicability of a Microwave Resonant Probe to the Plasma Processing of Silicon Oxide</i>	Ellis James	Plasma diagnostics methods
Th-47	Poster to be considered for a student award	<b><i>Development of a miniaturized hollow-core fiber plasma spectroscopy technique</i></b>	Radu Vlad-Ștefănuț	<b>Plasma diagnostics methods</b>
Th-48	Poster	<i>Measurement and simulation of time-resolved N<sub>2</sub>(A,v) densities in a sub-microsecond pulsed near-atmospheric pressure discharge</i>	Kuhfeld Jan	Plasma diagnostics methods
Th-49	Poster to be considered for a student award	<b><i>Cross-Validated Electron Diagnostics in Atmospheric-Pressure RF Plasmas</i></b>	Choi Jiwon	<b>Plasma diagnostics methods</b>
Th-50	Poster to be considered for a student award	<b><i>Comparison of Electrical Diagnostic Techniques for Capacitively Coupled Radio Frequency (CCRF) Plasma</i></b>	Sunil Varsha	<b>Plasma diagnostics methods</b>

### POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-51	Poster	<i>Comparative Study on Microwave Diagnostics: Cutoff Probe, Hairpin Probe, and Microwave Interferometer</i>	Kim Sijun	Plasma diagnostics methods
Th-52	Poster	<i>Nanosecond point-to-plane high-pressure discharge: PIC modelling and comparison with experiments</i>	Dilecce Giorgio	Plasma diagnostics methods
Th-53	Poster	<i>Electrical characteristics of low-pressure radio frequency capacitively coupled discharges used for plasma polymer deposition</i>	Polaskova Katerina	Plasma diagnostics methods, Low pressure plasmas
Th-54	Poster to be considered for a student award	<b><i>On Transient Nature of Polarized Emission from Laser Produced Plasma</i></b>	<b>B R Geethika</b>	<b>Plasma diagnostics methods, Plasma created by laser and EUV radiations</b>
Th-55	Poster	<i>Stability of reactive species produced in plasma-activated water by various atmospheric air discharges and their antimicrobial properties combined with UV-A irradiation</i>	Machala Zdenko	Plasma in/with liquids
Th-56	Poster	<i>Tuning properties of activated liquids produced by an atmospheric pressure plasma jet for application in plasma medicine</i>	Markovic Andjelija	Plasma in/with liquids
Th-57	Poster	<i>Influence of Pulsed Plasmas in Liquids on Copper Surfaces</i>	Pottkämper Pia-Victoria	Plasma in/with liquids
Th-58	Poster	<i>Penning mixture experiments in an inductively driven lamp</i>	Anantharaman Raghuraman	Plasma power and pulsed power technology, particle and radiation sources
Th-59	Poster	<i>Iron ore reduction in hydrogen-containing low-pressure plasma</i>	Mayer Marimel	Plasma processing of surfaces and particles
Th-60	Poster to be considered for a student award	<b><i>Sputter epitaxy of ZnO films on lattice mismatched sapphire substrates using MgO buffer layers fabricated in Ar/O<sub>2</sub> discharges</i></b>	<b>Harada Katsuyuki</b>	<b>Plasma processing of surfaces and particles</b>

## POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-61	Poster	<i>Synthesis of Chondrule-like Particles Based on Si-Fe in RF Discharge Conditions</i>	Akdaulet Baikaliyev	Plasma processing of surfaces and particles
Th-62	Poster	<i>Correlation between work function and H/D- production on C12A7 electrde surface</i>	Sasao Mamiko	Plasma wall interactions, electrode and surface effects
Th-63	Poster	<i>Electron surface scattering kernel in the few-eV energy range for plasma-facing dielectric solids</i>	Bronold Franz Xaver	Plasma wall interactions, electrode and surface effects
Th-64	Poster	<i>Influence of oxygen on arsenic containing inductively coupled plasma</i>	Abola Anda	Plasma wall interactions, electrode and surface effects
Th-65	Poster	<i>Is the use of the Sagdeev potential a legitimate way of deriving collisional Bohm criteria?</i>	Benilov Mikhail	Plasma wall interactions, electrode and surface effects
Th-66	Poster	<i>Investigation of H- surface-production in low-pressure plasma using a magnetized RFEA and in-situ photoemission</i>	Cartry Gilles	Plasma wall interactions, electrode and surface effects
Th-67	Poster	<i>Space Charge Structures on a Gridded Spherical Hollow Electrode</i>	Ionita Codrina	Plasma wall interactions, electrode and surface effects
Th-68	Poster	<i>Space Charge Structures on Smooth Spherical Hollow Electrodes</i>	Schrittwieser Roman	Plasma wall interactions, electrode and surface effects
Th-69	Poster	<i>Comparison of Calculated Oxygen Thermodynamic Transport Properties with Literature</i>	Dycke Jan	Thermal plasmas
Th-70	Poster	<i>Diagnostic of DC arc plasmas in aeronautic conditions: application to detection</i>	Hellé Arthur	Thermal plasmas

### POSTER SESSION #3 (THURSDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
Th-71	Poster	<i>Calculation of the Radiative Properties of a Thermal Plasma H<sub>2</sub>O-Air</i>	Bendida Imane	Thermal plasmas
Th-72	Poster	<i>Evaluation of Plasma Fluctuation Using Stochastic Model Based on Relative Entropy</i>	Akatsuka Hiroshi	Thermodynamics and transport phenomena

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-1	Poster	<i>Research on nonlinear phenomena concerning chaos control and synchronization in ionization waves</i>	Fukuyama Takao	Collective and nonlinear phenomena
F-2	Poster	<i>Unstable rotation of nanoparticles in conventional DC magnetron discharges</i>	Arnas Cécile	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
F-3	Poster	<i>Self-consistent simulation of nano dust with PLASIMO</i>	Mihailova Diana	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
F-4	Poster	<i>Investigation of carbon particles in the dusty plasma of a DC glow discharge</i>	Ongaibergenov Zhanserik	Complex and dusty plasmas, ion-ion plasmas, mixed phase plasmas
F-5	Poster to be considered for a student award	<b><i>Effect of Precursor Gas Molecules on the Deposition Characteristics of Hydrogenated Amorphous Carbon Films by Plasma Chemical Vapor Deposition</i></b>	Ohara Shunpei	Elementary processes and fundamental data
F-6	Poster to be considered for a student award	<b><i>Breakdown elementary mechanisms within controlled nanometer scale electrode gaps</i></b>	Disson Baptiste	Elementary processes and fundamental data
F-7	Poster	<i>Formation of electrodeless double-headed streamers (DHS) at sub-breakdown conditions</i>	Disson Baptiste	Elementary processes and fundamental data
F-8	Poster	<i>Notes on fluid and kinetic descriptions of the development of striations in the positive column plasma of rare gases</i>	Boeuf Jean-Pierre	Elementary processes and fundamental data
F-9	Poster	<i>Striations of the positive column in radiofrequency and direct current argon plasmas – Experiments and particle simulations</i>	Dosbolayev Merlan	Elementary processes and fundamental data
F-10	Poster to be considered for a student award	<b><i>Improving the optical emission in the visible spectrum of CO<sub>2</sub> streamers with trace Xe</i></b>	Meekes Wouter	Elementary processes and fundamental data, High frequency and pulsed discharges, Plasma diagnostics methods

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-11	Poster	<i>Experimental comparative study of the dc and tenanosecond electrical breakdown in air for flat and sharp electrodes</i>	Demidov Vladimir	High frequency and pulsed discharges
F-12	Poster to be considered for a student award	<b><i>On the Control and Design of Nanosecond Plasma Jets for Optimized Therapeutic Efficiency</i></b>	Billeau Jean-Baptiste	<b>High frequency and pulsed discharges</b>
F-13	Poster	<i>Rapid decomposition of bisphenol-A in water with pulsed arc discharge for developing novel wastewater Treatment Methods</i>	Sasaki Mitsuru	High pressure and thermal plasma processing
F-14	Poster	<i>Child–Langmuir law applicability for a cathode sheath description of dc glow discharge in acetylene</i>	Lisovskiy Valeriy	Low pressure plasmas
F-15	Poster	<i>Spatial variation of electron/ion heating mechanisms in Capacitively Coupled Discharges (CCDs)</i>	Sharma Anuravi	Low pressure plasmas
F-16	Poster	<i>Impact of non-equilibrium plasma treatment on selected properties of bovine milk</i>	Pawlat Joanna	Medical, biological, environmental and aeronautical applications
F-17	Poster	<i>In vivo tests of medical implant coatings deposited by plasma-activated reactive magnetron sputtering</i>	Lisovskiy Valeriy	Medical, biological, environmental and aeronautical applications
F-18	Poster	<i>Ionic wind interactions with parallel dielectric walls</i>	Flesselles Benoit	Medical, biological, environmental and aeronautical applications
F-19	Poster	<i>Reactive species variation in gas and liquid phase irradiated through pulse modulated atmospheric pressure sub-RF plasma jet</i>	Basu Mallick Aishik	Medical, biological, environmental and aeronautical applications
F-20	Poster	<i>Effect of CO<sub>2</sub> to CO conversion on bacteria and fungi inoculated onto the coat of wheat seed packed in a dielectric barrier discharge</i>	El Shaer Mohamed	Medical, biological, environmental and aeronautical applications

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-21	Poster to be considered for a student award	<i>Plasma-Treated Soil for Sustainable Agriculture: Pesticide Removal, Enhanced Porosity, and Water Retention</i>	Jangra Sushma	Medical, biological, environmental and aeronautical applications
F-22	Poster to be considered for a student award	<i>Air atmospheric pressure plasma, a green approach for the sanitation of leafy greens vegetables</i>	Aliyeva Zhanel	Medical, biological, environmental and aeronautical applications
F-23	Poster	<i>Effects of high overvoltages on the treatment of PFAS in water</i>	Brisset Alexandra	Medical, biological, environmental and aeronautical applications
F-24	Poster	<i>Effects of cold plasma treatment on bio-chemical composition of argan kernel and oil (Argania Spinosa (L.) Skeels)</i>	Saber Karim	Medical, biological, environmental and aeronautical applications
F-25	Poster	<i>Plasma-enhanced bio-inspired photocatalytic fabrics for efficient micropollutant removal from wastewater</i>	Tomas Homola	Medical, biological, environmental and aeronautical applications
F-26	Poster to be considered for a student award	<i>Enhancing corrosion resistance of magnesium alloys with plasma treatment and electrospun biodegradable polymer coatings</i>	Zahedi Leila	Medical, biological, environmental and aeronautical applications
F-27	Poster	<i>Boundary Condition for the electron kinetics of a plasma using the microphysics of the wall</i>	Willert Felix	Modelling and simulation techniques
F-28	Poster	<i>MERLIN, an adaptive LTE radiative transfer model for any mixture</i>	Favre Aurélien	Modelling and simulation techniques
F-29	Poster	<i>Simulations of radio frequency capacitively coupled plasmas including external circuits</i>	Yu Shimin	Modelling and simulation techniques
F-30	Poster	<i>Discharge behaviour and chemistry of cold plasma jets</i>	Murakami Tomoyuki	Modelling and simulation techniques

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-31	Poster	<i>High-order gyrocoordinate transformations for electron dynamics in axisymmetric magnetic fields</i>	Brinkmann Ralf Peter	Modelling and simulation techniques
F-32	Poster	<i>Comparison of 3D fluid and particle models for negative streamers in eco-friendly insulation gases.</i>	Smits Thomas	Modelling and simulation techniques
F-33	Poster	<i>Numerical Simulation of Partial Discharge Processes in Defects of Insulating Material</i>	Gao Yuting	Modelling and simulation techniques
F-34	Poster	<i>Similarities between formation of low-current self-sustained discharge and breakdown in industrial gas insulation</i>	Almeida Rui	Modelling and simulation techniques, Non-equilibrium plasmas and microplasmas at high pressure
F-35	<b>Poster to be considered for a student award</b>	<b><i>Phenomenological description and numerical modelling of vacuum breakdown</i></b>	<b>Cró Camila</b>	<b>Modelling and simulation techniques, Plasma wall interactions, electrode and surface effects</b>
F-36	Poster	<i>Mode Transitions in Micro Cavity Plasma Arrays: The Influence of Oxygen Admixtures on Discharge Dynamics</i>	Steuer David	Non-equilibrium plasmas and microplasmas at high pressure
F-37	Poster	<i>On the measurements of temperature by optical emission spectroscopy in nanosecond SDBD: check by calculations</i>	Kreyder Geoffrey	Non-equilibrium plasmas and microplasmas at high pressure
F-38	Poster	<i>How to obtain a Diffuse Dielectric Barrier Discharge in various molecular gases?</i>	Naude Nicolas	Non-equilibrium plasmas and microplasmas at high pressure
F-39	Poster	<i>Plasma-Catalytic Dry Reforming of Methane: on the Role of a Ni Catalyst at Room Temperature</i>	Garcia Maria C	Non-equilibrium plasmas and microplasmas at high pressure
F-40	Poster	<i>Study on DBD regimes in dry and wet air to produce ozone and nitrogen oxides</i>	Stepanova Olga	Non-equilibrium plasmas and microplasmas at high pressure

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-41	Poster	<i>Effect of H<sub>2</sub>O on the conversion of CH<sub>2</sub>O in a micro-capillary He plasma at atmospheric pressure</i>	Gady Adrien	Non-equilibrium plasmas and microplasmas at high pressure
F-42	Poster	<i>Optical radiation upon excitation of the Ar-N<sub>2</sub> mixture by the products of the 6Li(n,α)3H nuclear reaction</i>	Khassenov Mendykhan	Non-equilibrium plasmas and microplasmas at high pressure
F-43	Poster	<i>LIBS (Laser-Induced Breakdown Spectroscopy) applications for the Tritium measurement in tokamak plasma-facing components</i>	Bultel Arnaud	Other applications such as low temperature plasma applications for magnetically confined fusion
F-44	Poster	<i>Towards time-resolved measurements for solvated electrons at the plasma/liquid interface</i>	Light Adam D.	Plasma diagnostics methods
F-45	<b>Poster to be considered for a student award</b>	<b><i>Towards calibration of picosecond O-TALIF</i></b>	<b>Shu Zhan</b>	<b>Plasma diagnostics methods</b>
F-46	Poster	<i>Imaging electric fields for cold plasma interacting with silica powders for catalysis applications</i>	Munday Jack	Plasma diagnostics methods
F-47	Poster	<i>Effect of target on NO production in a kHz cold argon plasma jet measured by LIF</i>	Zhao Shuai	Plasma diagnostics methods
F-48	<b>Poster to be considered for a student award</b>	<b><i>Multielemental quantification by CF-LIBS assisted by an attention deep learning model trained on simulated spectra</i></b>	<b>Lemerle Luisa</b>	<b>Plasma diagnostics methods</b>
F-49	Poster	<i>Robust Emissive Probes for Hot Plasmas</i>	Schrittwieser Roman	Plasma diagnostics methods
F-50	<b>Poster to be considered for a student award</b>	<b><i>Gas temperature distribution of atmospheric Argon glow discharge measured by Mach-Zehnder interferometer</i></b>	<b>Kimura Ren</b>	<b>Plasma diagnostics methods</b>

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-51	Poster	<i>Improvement of gas detection sensitivity of a self plasma-optical emission spectrometer</i>	Kim Dae-Woong	Plasma diagnostics methods
F-52	Poster	<i>Spectroscopy plasma characterization in an EM cavity in view of a Massive Open Online Laboratory</i>	Fernandes Horacio	Plasma diagnostics methods
F-53	Poster	<i>Probing aqueous</i>	Polprasarn Kasidapa	Plasma diagnostics methods
F-54	Poster	<i>2D Measurement on single-filament dielectric barrier discharge by electric-field induced second harmonic generation</i>	Wang Jianan	Plasma diagnostics methods
F-55	Poster to be considered for a student award	<b><i>AI-Driven Langmuir and Cutoff Probe Diagnostics for Improved Data Consistency</i></b>	Ko Jeonghun	Plasma diagnostics methods
F-56	Poster	<i>Three-dimensional characterization of the liquid surface deformation resulting from a pin-water discharge using free-surface synthetic Schlieren</i>	Dyson Fredric	Plasma in/with liquids
F-57	Poster to be considered for a student award	<b><i>Experimental and numerical study of CO<sub>2</sub> discharges in contact with liquid water</i></b>	Bois Sophie	Plasma in/with liquids
F-58	Poster	<i>Fast Electron Promoting Geometry for Plasma Enhanced Thermionic Generators</i>	Aleksander Clark	Plasma power and pulsed power technology, particle and radiation sources
F-59	Poster to be considered for a student award	<b><i>Analysis of the correlation between TEOS plasma characteristics and SiO<sub>2</sub> thin film properties</i></b>	Sato Yushi	Plasma processing of surfaces and particles
F-60	Poster	<i>Understanding CF<sub>4</sub>/H<sub>2</sub>-based cryogenic etching mechanisms by monitoring radical densities with extended optical actinometry technique</i>	Mo Michael	Plasma processing of surfaces and particles

## POSTER SESSION #4 (FRIDAY)

POSTER NUMBER	TYPE	TITLE	SPEAKERS	TOPIC
F-61	Poster	<i>Polymerization of EDOT into soluble PEDOT analogue by plasma inside bubble</i>	Kaneko Yutaka	Plasma processing of surfaces and particles
F-62	Poster	<i>High power impulse magnetron sputtering of a chromium target</i>	Gudmundsson Jon Tomas	Plasma wall interactions, electrode and surface effects
F-63	Poster to be considered for a student award	<b><i>Investigating early-stage helium-tungsten interactions: Retention and vacancy defects characterization</i></b>	<b>Alfazaa Mounir</b>	<b>Plasma wall interactions, electrode and surface effects</b>
F-64	Poster	<i>Development and Investigation of a Miniature Pulsed Plasma Thruster Using Graphite Propellant</i>	Suleimenova Assel	Plasma wall interactions, electrode and surface effects
F-65	Poster	<i>Self-regulation in high-power impulse magnetron sputtering discharges and its effect on the metal ion escape</i>	Gudmundsson Jon Tomas	Plasma wall interactions, electrode and surface effects
F-66	Poster	<i>Two-temperature modelling of ignition of high-current arc discharges on cold cathodes in atmospheric-pressure argon</i>	Santos Diego	Thermal plasmas
F-67	Poster	<i>Effect of ion energy and magnetic shear on supra-thermal ion transport in X-point plasmas in TOR-PEX</i>	Sepulchre Cyrille	Thermodynamics and transport phenomena
F-68	Poster	<i>Discussion on the Definition of Excitation Temperature of Weakly Ionized Plasmas in a Non-equilibrium State</i>	Akatsuka Hiroshi	Thermodynamics and transport phenomena
F-69	Poster	<i>Study of the transport and optical properties of WDM taking into account local field correction</i>	Kodanova Sandugash	Thermodynamics and transport phenomena
F-70	Poster	<i>High-speed Particle Image Velocimetry of ionic wind generated between two plates in air at atmospheric pressure</i>	Orriere Thomas	Thermodynamics and transport phenomena