



INTERNATIONAL CONFERENCE ON PLASMAS WITH LIQUIDS (ICPL 2017)

POSTER SESSION (Monday 6th March 2017, 16:30 - 18:00)

Posters can be put on boards since morning Monday, 6th March and will be posted until noon Wednesday, 8th March, 2017.

Size of poster boards is 100 x 200 cm (width x height).

Number	Topic	Presenting Author	Title
1	1	Titov	Formation rate and energy yield of hydroxyl radicals in water at the action of discharge in gas-vapour bubbles
2	1	Kossyi	Water as a unique liquid object from the electro-physical standpoint
3	1	Kozáková	Hydrogen peroxide production by a novel plasma source for generation of DC non-pulsing discharge in liquids
4	1	Stelmashuk	Time-resolved processes in a pulsed electrical discharge in plate-to-plate electrode configuration
5	1	Graham	Systemic characterisation of pulsed laser breakdown in water and its aftermath.
6	1	Pongráč	Investigation of nanosecond pulsed corona-like discharge generated in deionized water
7	2	Invernizzi	Experimental study of a DBD APPJ on the chemistry of a liquid target
8	2	Sirotkin	The dependencies of the emission of metals atoms in the plasma on the composition of the liquid electrolyte cathode in the discharge at atmospheric pressure
9	2	Aubry	Characterization of a hollow needle-to plate discharge dedicated to the drug residues treatment in water
10	2	Sainct	Effect of a liquid solution target on the behavior of an APPJ
11	2	Chauvet	Study of an APPJ interacting with a liquid surface by filtered imaging and mass spectrometry
12	2	Taglioli	Microbubble-enhanced plasma-driven reactor for wastewater treatment
13	2	Hoffer	Physical properties of plasma discharges propagating along water surface
14	3	Ahn	Development of non-thermal atmospheric-pressure plasma source using a rectangular coaxial transmission line for liquid interaction
15	3	Krcma	Sparking regime of DC supplied discharge in water solutions
16	4	Garcia	Optical Emission Spectroscopy Investigation of a Plasma Over Anode Water Resulting in Organization Patterns on the Surface
17	4	Hnatiuc	A review concerning the power of the electrical discharges and the performances of the non-thermal plasma reactors
18	4	ROND	Diagnostics of a pulsed high voltage discharge in water
19	4	Wright	Fluorescent probe for quantification of ozone in liquids
20	4	Asimakoulas	Investigations of Pulsed Plasma Discharges in saline solution using simulations to interpret observations.
21	4	Iza	EHD-driven mass transport enhancement in surface dielectric barrier discharges
22	4	Reuter	Transient Species in Plasmas Interacting with Liquids
23	4	Bišcan	Optical emission spectroscopy characterisation of plasma reactors for liquid food treatments
24	4	Demir	Analysis of TiO ₂ NPs in Liquid Environment Using LIBS
25	4	Martin Sabo	Ion Mobility Spectrometry monitoring of phthalate degradation by atmospheric pressure discharges
26	4	Milosevic	Characterisation of plasma source based on single electrode atmospheric pressure plasma jets operating in closed volume
27	4	Duchesne	Quantification of ROS produced by three different plasma devices: methods and influence of plasma parameters
28	4	Dinescu	Diagnostic of plasma-liquid mixing and methylene blue decomposition using a RF atmospheric jet
29	5	Lee	Computational study on low-temperature atmospheric-pressure microplasmas operating at microwave frequency with hydrogen peroxide

30	5	Verlackt	Evaluating the behaviour of plasma generated reactive species in contact with water both at macroscopic and molecular scale
31	5	Maric	Transit time of ions in low-current low pressure water vapour discharge
32	6	Popovic	Immersion of single electrode atmospheric pressure plasma jet into deionized water
33	6	Marinova	Surface-wave-sustained plasma torch for biomedical applications
34	7	Boxman	Multi Electrode Pulsed Submerged Arc Water Treatment
35	7	Pleskunov	The destruction kinetics of organic dyes in aqueous solutions under the treatment by low-temperature plasma jet
36	7	Vukušić	Removal of azithromycin and atrazine from modal water by plasma-based water treatments
37	7	Foster	Overview of Experimental Studies of Plasma in Liquid Water at the University of Michigan and Progress towards a Practical Plasma Water Reactor
38	7	Wardenier	Synergetic behaviour of plasma treatment and ozonation for enhanced micropollutant decomposition in water
39	7	Panta	Dielectric Barrier Discharge ozone generation for water treatment applications
40	7	Paradisi	Characterization and comparative evaluation of two atmospheric plasma sources for water treatment
41	7	Marotta	Plasma treatment of agrichemicals, metabolites and residues
42	7	Hamon	Preliminary study on immersed Plasma gun treated liquid solutions for pollutant abatement
43	8	Parkansky	Synthesis of micron-size graphene-like films using a submerged pulsed arc in ethanol
44	8	Treshchalov	In situ monitoring of the synthesis of ligand-free Ag nanoparticles during He/H ₂ /N ₂ plasma treatment of AgNO ₃ solution.
45	8	Er	Development and optimization of electrode system for synthesis of spherical silver nanoparticles
46	8	Tarasenka	Synthesis and modification of carbon and composite nanoparticles by laser assisted plasma in liquids
47	8	Chakrabarti	Ultrasmall nickel oxide nanoparticles for photovoltaic applications produced by atmospheric pressure plasma in liquid phase
48	9	Nikitin	Atmospheric pressure discharges for solution-based immobilization of chitosan on polymeric foils
49	9	Sun	Effect of plasma-water interaction on the surface function of multi-wall carbon nanotubes
50	9	Krstulovic	The influence of atmospheric pressure plasma on polymer wettability of colloidal gold synthesized by laser ablation in water
51	9	Shaban	A microfluidic atmospheric-pressure plasma device for chemical synthesis applications
52	9	Grigaitiene	The conversion of liquid and solid waste by water vapour plasma technology
53	9	Pawlat	RF plasma jet for changing wettability of cellulose based paper platform for antibiotic sensitivity tests
54	9	Dinescu	Nitrogen incorporation in reduced graphene oxide suspension by submerged plasma jet
55	10	Stulic	Stress response of Escherichia coli K12 after the gas phase electrical discharge plasma treatment
56	10	Liu	Generation and quantification of nitrogen species in plasma activated water
57	10	Tarabova	Cold pasteurization of fresh apple juice by the cold air plasma
58	10	Kucerova	Stimulation of germination and growth of wheat by plasma activated water
59	10	Modic	Atmospheric pressure air plasma with particular reference to the elimination of food-related microorganisms
60	11	Valdramidis	Assessing the antimicrobial mechanism of action of cold atmospheric plasma
61	11	Dickenson	Decontamination efficacy - inactivation mechanisms of air plasma treated liquids.
62	11	Colombo	Bactericidal effect of atmospheric pressure plasma treatment of synthetic sea water
63	11	Hensel	The effect of air transient spark discharge on bovine serum albumin in liquid solution
64	11	Ercan	Systemic Toxicity and Cytotoxicity Assessment of Non-Thermal Atmospheric DBD Air Plasma Treated N-Acetylcysteine (NAC) Solution
65	11	Kos	Safety aspects of atmospheric pressure helium plasma jet operation on mouse skin
66	11	Honnorat	Therapeutic effect of cold atmospheric plasma on oral cavity squamous cell carcinomas
67	11	Canal	Influence of process parameters in the generation of reactive oxygen and nitrogen species in cell culture media by atmospheric pressure plasma jet
68	2	Zhekova	Estimation of the changes of characteristic concentrations of hydrogen peroxide in plasma treated liquid