

Program of the 8th International Conference on Advanced Plasma Technologies

Wednesday, 17th May

8:30	Registration
8:50	Opening
Session Chair: Miran Mozetič	
9:00	Rajdeep Singh Rawat (Singapore); Low-temperature plasma processing modulation using external means for electrocatalytic electrode surface manipulation; Invited
9:30	Kinga Kutasi (Hungary); Plasma-assisted modification of colloidal nanoparticles; Invited
10:00	Jan Hanuš (Czech Republic); Plasma-based synthesis of titania nanostructures; Invited
10:30	Coffee break
11:15	František Lofaj (Slovakia); Analysis of reactive sputtering in DC magnetron sputtered and High Target Utilization Sputtered TiNbVTaZrHf-xN coatings; Invited
11:45	Tomoyuki Murakami (Japan); Integrated numerical modelling of cell fate determination in response to plasma-induced reactive species; Invited
12:15	Vit Jirašek (Czech Republic); Nitrogen fixation in sub-micrometer-size water aerosol using micro-hollow surface DBD reactor; Invited
12:45	Lunch break
14:30	Tom Field (UK); Underwater plasma initiation; Oral
14:50	Liutauras Marcinauskas (Lithuania); Synthesis of molybdenum doped diamond-like carbon films by magnetron sputtering; Oral
15:10	Changtao Chen (Belgium); Degradation of micropollutants in secondary wastewater effluent using nonthermal plasma-based AOPs; Oral
15:30–17:00	Guided discussion on plasma technologies in industry
19:00	Dinner break

Thursday, 18th May

Session Chair: Miran Mozetič	
9:00	Zdenko Machala (Slovakia); Various plasma-liquid discharge regimes determine the plasma-activated water properties and applications; Invited
9:30	Nikola Škoro (Serbia); Regeneration of clinoptilolite saturated with ciprofloxacin by using atmospheric pressure plasma; Invited

10:00	Mark Zver (Slovenia); Waterborne virus inactivation using various low-pressure plasma radiation wavelengths and ambient gases; Invited
10:30	Zoran Petrović (Slovenia); Breakdown and volt-ampere characteristics of low-current discharges in water vapour; Invited
11:00	Miran Mozetič (Slovenia); Plasma technology in industry 4.0; Invited
11:30	Guided discussions on plasma technologies for the environment
12:30	Conference closing
12:15	Lunch break and departures