

## Programme of the 2016 Training School

### Advanced Diagnostics of Discharges with Liquids and Plasma Treated Liquid Phase

Location: Belgrade, Serbia

24-28 September 2016

Web: <http://neon.dpp.fmph.uniba.sk/Belgrade2016>

Web Institute of Physics Belgrade <http://www.ipb.ac.rs/>

LECTURE  
HALL

HOTEL

CLUB

#### Saturday, 24th September

16:30 - 19:00	Registration
19:00 - 22:00	Welcome cocktail and dinner

#### Sunday, 25th September

	8:00 - 8:50	Registration
	8:50 - 9:00	Welcome: Dragana Marić
1	9:00 - 10:30	Transport processes for electrons and positrons in gases and liquids: Theory and applications <b>Saša Dujko</b>
	10:30 - 10:45	Coffee break
2	10:45 - 12:15	Measurements of electrical properties of plasmas <b>Zoran Lj. Petrović</b>
	12:15 - 12:45	Student presentations - 3' oral
	12:45 - 14:00	Lunch
	14:00 - 14:30	Student presentations - 3' oral
3	14:30 - 16:00	Detection of short-lived species induced in liquids by non-thermal atmospheric pressure plasma <b>Yury Gorbanev</b>
	16:00 - 16:15	Coffee break
4	16:15 - 17:45	Chemical diagnostics of stable species - 1 (spectroscopy, pH, conductivity) <b>Valerio di Marco</b>
	18:00 - 19:00	Dinner

#### Monday, 26th September

5	9:00 - 10:30	Optical Emission Spectroscopy of Discharges in Liquids: How to juggle with assumptions without talking nonsense <b>Thierry Belmonte</b>
	10:30 - 10:45	Coffee break
6	10:45 - 12:15	Advanced material diagnostics <b>Vladimir Havranek</b>
	12:15 - 12:45	Student presentations - 3' oral
	12:15 - 14:00	Lunch
	14:00 - 14:30	Student presentations - 3' oral
7	14:30 - 16:00	Diagnostics of Transport Phenomena (Flow etc) <b>Paolo Canu</b>
	16:00 - 16:15	Coffee break
8	16:15 - 17:45	Chemical diagnostics of stable species - 2 (chromatography, mass spectrometry) <b>Ester Marotta</b>
	19:30 -	School Dinner and Social Program

#### Tuesday, 27th September

9	9:00 - 10:30	Chemical diagnostics of stable species - 3 (HPLC-MS) <b>Ester Marotta</b>
	10:30 - 10:45	Coffee break
10	10:45 - 12:15	Imaging diagnostics for non-equilibrium atmospheric plasma discharges <b>Matteo Gherardi</b>
	12:15 - 12:45	Student presentation - 3' oral
	12:45 - 14:00	Lunch
	14:00 -	free time

#### Wednesday, 28th September

11	9:00 - 10:30	Cells as biochemical sensor systems - dos, don'ts, risks, & chances <b>Kristian Wende</b>
	10:30 - 10:45	Coffee break
	11:00	Transfer to the Institute of Physics Belgrade
12	11:15 - 12:45	Visit to laboratories of the Institute of Physics Belgrade
	12:45 -	Closure and Departure