

September 30th 2019

Plasma Center, Biotechnical Faculty, University of Ljubljana

# First Slovene Plasma Day

## Workshop on the use of plasma

### About plasma

Plasma is an innovative technology that can be very useful for a wide variety of industrial areas and has many advantages. Compared to conventional technologies, many plasma applications are environmentally friendly. They save energy and resources, whilst avoiding harmful and polluting chemicals.

- **What are the characteristics and possibilities of employing a plasma for your application?**
- **What benefits can the use of plasma technologies bring us?**

Within the framework of the First Slovene Plasma Day, a free workshop will be held to provide an introduction to atmospheric plasmas and practical insights into the possibilities of their usage.

- **What is plasma?**

Find out more now at <https://www.youtube.com/watch?v=AtTwPM4xb38> and later during the event!

### About plasma equipment

The possibilities of plasma devices range from cold or room temperature treatments to hot, thermal plasmas. The applications can be carried out as direct or remote treatments, which can be arranged localized, focused, flat, or extended. All of these include possibilities to be tailored specifically to the required task.

In parallel to the workshop, there will be an industrial fair of selected partners to provide a wide overview on the available technology. The fair will feature, amongst others:

- **PlasmaDis d.o.o.**
- **Plasmatreat GmbH represented by Rogač Plus d.o.o.**
- **Ulbrich Hidroavtomatika d.o.o.**
- **PlasmaGreen GmbH**
- **Nadir Tech S.r.l.**

The workshop will also include the possibility to have participants' materials tested and treated live at the event. If you want to make use of this, please indicate on the registration what materials you would like to bring.

The workshop is free of charge and will be held in English.  
For registration and more information, please visit:

<http://www.bf.uni-lj.si/en/wood-technology/department/organisation/plasma-center/first-slovene-plasma-day/>

Register by September 25, 2019

This event provides opportunities to learn from international, invited experts about plasma applications as well as their possibilities and benefits. Speakers and exhibitors from both academia and industry will share their knowledge, experiences, and best practices with the latest industrial applications. These include, but are not limited to, materials engineering and surface processing.

The Plasma Center was established at the Biotechnical Faculty, University of Ljubljana, on May 27, 2019. The activities are coordinated by the head of the center, Assist. Prof. Sebastian Dahle, and a steering board of four professors at the faculty.

The topics covered by the center are addressed by all members of the faculty. The activities include collaborations inside and outside the university. If you are looking for mutual interest, opportunities for collaboration or you want to become part of the center, please contact us at: [sebastian.dahle@bf.uni-lj.si](mailto:sebastian.dahle@bf.uni-lj.si)

### Agenda

9:30	Registration	
10:00	Opening	
10:15	Introduction to basic plasma technology	Assist. Prof. Dr. Sebastian Dahle University of Ljubljana Biotechnical Faculty
10:45	Industrial applications of cold atmospheric pressure plasmas	Dr. Georg Avramidis University of Applied Science and Arts Göttingen, Germany
11:15	Coffee break with snacks	
11:45	Plasma technologies for tailoring surface properties of solid materials	Assist. Prof. Dr. Rok Zaplotnik Jožef Stefan Institute
12:15	Demonstration of equipment and its possible applications at the laboratory of the host	Assist. Jure Žigon, Assist. Prof. Dr. Sebastian Dahle
13:00	Business speed dating	mag. Simona Rataj, Dr. Aleš Ugovšek
13:15	Lunch break & Exhibition	

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