

Summer School

Microfluidic chips and sensors from foodstuff and bioinspired materials

“Twinning for reaching sustainable scientific and technological excellence in the field of Green Electronics”, GREENELIT, H2020-WIDESPREAD-05-2020 - Twinning

Agenda

Day 1: Monday, 25/07/2022	
Science and Technology Park (STP) building, Fruškogorska 1, Novi Sad, Serbia	
Lectures (small amphitheater, STP-001P):	
10:30 ÷ 11:00	<i>GREENELIT project – achievements, highlights</i> Prof. Dr Goran Stojanović, UNS, Serbia
11:00 ÷ 11:30	<i>IIT results in edible electronics</i> Dr Mario Caironi, IIT, Italy
11:30 ÷ 12:00	<i>DTU results in bioelectronics</i> Dr Firoz Babu Kadumudi, DTU, Denmark
12:00 ÷ 13:00	<i>Lunch (Meeting room STP-L001)</i>
Lab work (laboratory, STP-L003):	
13:00 ÷ 14:00	<i>Rice paper a substrates for edible electronic components</i> Dr Milan Radovanović and Dr Sanja Kojić, UNS, Serbia
14:00 ÷ 15:00	<i>Transferring electronic structures using tattoo paper</i> Dr Milan Radovanović, UNS, Serbia
Day 2: Tuesday, 26/07/2022	
Science and Technology Park building, Fruškogorska 1, Novi Sad	
Lectures (small amphitheater, STP-001P):	
10:30 ÷ 11:00	<i>Biogenic Amines Gas Sensing for Green Electronics</i> Dr Pierluigi Mondelli, IIT, Italy
11:00 ÷ 11:30	<i>Bioprospecting: possibilities and challenges in development of novel bioactive compounds and novel foods</i> Dr. Antonella Leone, CNR, ISPA – Lecce, Italy
11:30 ÷ 12:00	<i>Nutrition as a part of workplace health strategies</i> Prof. Dr Jelena Cvejić, UNS, Serbia
12:00 ÷ 13:00	<i>Lunch (Meeting room STP-L001)</i>
Lab work (laboratory, STP-L003):	
13:00 ÷ 14:00	<i>Manufacturing thin edible films</i> Dr Sanja Kojić, UNS, Serbia
14:00 ÷ 15:00	<i>Investigation of mechanical characteristics of edible films and food-based bite force sensors</i> Adrian Stavrakis, UNS, Serbia
Day 3: Wednesday, 27/07/2022	
Science and Technology Park building, Fruškogorska 1, Novi Sad	
Lectures (small amphitheater, STP-001P):	
10:30 ÷ 11:00	<i>Green Silk-based electronics for motion sensing</i> Dr Firoz Babu Kadumudi, DTU, Denmark

11:00 ÷ 11:30	<i>Transient and ultra-thin electronics: green platforms for biodegradable and wearable applications</i> Dr Fabrizio Viola, IIT, Italy
11:30 ÷ 12:00	<i>Charge transport in an emerging class of organic molecules</i> Stefano Pecorario, IIT Italy
12:00 ÷ 13:00	<i>Lunch (Meeting room STP-L001)</i>
Lab work (laboratory, STP-L003):	
13:00 ÷ 14:00	<i>Impedance spectroscopy for determination of fruit ripeness</i> Tijana Kojic and Dr Milan Radovanović, UNS, Serbia
14:00 ÷ 15:00	<i>Characterization of edible inductors and temperature sensors for oral cavity applications</i> Dr Jelena Vukmirović and Dr Milan Radovanović, UNS, Serbia

Day 4: Thursday, 28/07/2022	
Science and Technology Park building, Fruškogorska 1, Novi Sad	
Lectures (small amphitheater, STP-001P):	
10:30 ÷ 11:00	<i>Lab-on- compact disc Microfluidic for POC medical Diagnostic</i> Prof. Dr Fatimah Ibrahim, UM, Malaysia
11:00 ÷ 11:20	<i>Plasma electrolytic oxidation as recycling technology for biocotings fabrication</i> Dr Evgenia Gusak, Silesian University of Technology, Poland
11:20 ÷ 11:40	<i>Environmental friendly nanofibrous chitosan materials for biomedical applications</i> Dr Viktoriia Korniienko, University of Latvia, Latvia
11:40 ÷ 12:00	<i>The possibilities and barriers to 4R model in dentistry</i> Prof. Dr Bojan Petrović, UNS, Serbia
12:00 ÷ 13:00	<i>Lunch (Meeting room STP-L001)</i>
13:00 ÷ 22:00	Social event – short excursion including joint dinner