

# PROCESSING OF POLYMER MATERIALS, THEIR PROPERTIES AND PRODUCT QUALITY

## WORKSHOP

11 - 13 NOVEMBER 2014

### WHEN AND WHERE?

DATE: 11 - 13 November 2014

START TIME: 8:00

VENUE: Polymer Technology College  
Ozare 19  
SI-2380 Slovenj Gradec  
2<sup>nd</sup> floor, lecture room P1



The workshop is organized within operation "Internationalisation of the Polymer Technology College", which was approved in the Public tender for co-financing activities in years 2013-2015, which foster the internationalisation of higher education (OG RS, no. 63/2013, from 26 July 2013).

### TOPICS

The workshop will be a combination of lectures and laboratory exercises. During three days the following areas will be covered:

- Different technologies for polymer processing, including the methods that are not yet broadly recognized
- The properties of polymer materials, in a wide range from rheology to the studies of mechanical characteristics
- Designing and product quality

The lectures and laboratory exercises of foreign guest lecturers will be held in English language.



The operation is partially financed by the European Union, through the European Social Fund and by the Ministry of Education, Science and Sport. The operation is implemented in the framework of the Operational Programme for Human Resource Development for the Period 2007-2013; 3<sup>rd</sup> Priority Axis: "Development of human resources and of life-long learning"; Activity 3.3 "Quality, competitiveness and responsiveness of higher education."

## PROGRAM

### TUESDAY, 11. 11. 2014

8:00 - 8:10	REGISTRATION
8:10 - 8:15	WELCOME
8:15 - 9:45	<b>Biopolymer Processing</b> STEPHAN LASKE, Montanuniversität Leoben, Austria
9:45 - 10:00	COFFEE BREAK
10:00 - 11:30	<b>High Performance Polymers - Materials, Applications and Perspectives</b> THOMAS WILHELM, stettlerpartners GmbH, Switzerland
11:30 - 13:00	BREAK
13:00 - 14:30	<b>Recent Advances in Polymer Nanofibers</b> KAREL SOUKUP, Institute of Chemical Process Fundamentals, Czech Republic
14:30 - 14:45	COFFEE BREAK
14:45 - 16:15	<b>Product Quality</b> TADEJA PRIMOŽIČ MERKAČ, Visoka šola Ravne na Koroškem, Slovenia

### WEDNESDAY 12. 11. 2014

8:00 - 8:15	REGISTRATION
8:15 - 9:45	<b>Mechanical Testing of Plastics</b> JIRÍ KOTEK, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Czech Republic
9:45 - 10:00	COFFEE BREAK
10:00 - 11:30	<b>Mechanical Testing of Plastics</b> JIRÍ KOTEK, Institute of Macromolecular Chemistry, Academy of Sciences of the Czech Republic, Czech Republic
11:30 - 13:00	BREAK
13:00 - 14:30	<b>Rheological Properties of Polymers</b> LIDIJA SLEMENIK PERŠE, Institute of Chemistry Slovenia, Slovenia
14:30 - 14:45	COFFEE BREAK
14:45 - 15:45	<b>Presentation of ideas from the contest "New Bioplastic Products"</b> Students of VŠTP, FD and MFDPŠ
16:00 - 17:30	<b>Monitoring and Control of Injection Moulding Process</b> Dragan Kusić, TECOS - Slovenian Tool and Die Development Centre, Slovenia

### THURSDAY, 13. 11. 2014

8:00 - 8:15	REGISTRATION
8:15 - 9:45	<b>Composite Materials and Technologies</b> JANEZ NAVODNIK, Plasttechnics Cluster Slovenia, Slovenia
9:45 - 10:00	COFFEE BREAK
10:00 - 11:30	<b>Additive Manufacturing, Rapid Prototyping: Materials, Processes and Principles, Products</b> CHRISTIAN KUKLA, Montanuniversität Leoben, Austria
11:30 - 13:00	BREAK
13:00 - 14:30	<b>"Thinker&amp;Maker: Design Thinking Process (Fablabs)"</b> JOHANNES PUINBROEK, Euregio Höhere Technische Bundeslehr- und Versuchsanstalt Ferlach, Austria
14:30 - 14:45	COFFEE BREAK
14:45 - 16:15	<b>"Thinker&amp;Maker: Design Thinking Process (Fablabs)"</b> JOHANNES PUINBROEK, Euregio Höhere Technische Bundeslehr- und Versuchsanstalt Ferlach, Austria