

Advances in developing bio-based materials and 3D printing technologies for environmentally sustainable products

20.11.2020

Place: **MS Teams**, register to the seminar [here](#) and the link to join the platform will be delivered

Time: **10:00- 13:00**

10:00-10:05	Welcome to the seminar
10:05-10:20	Introduction to products eco-design and design for circularity principles <i>Vaasa UAS, Muova, Tommi Silvan (Finland)</i>
10:20-10:30	3D printed yeast structures for fermentation of wood waste <i>University of Tartu, Alvo Aabloo (Estonia)</i>
10:30-10:40	Questions and Discussion
Development of prototypes based on thermoplastic materials and fused deposition-based 3D printing	
10:40-10:50	Concept of production by 3D printing fibre reinforced plastic composite manufacturing tool/mould <i>Centria UAS, Egidija Rainosalo (Finland)</i>
10:50-11:00	Concept of printing customised package for gifts. Case box for chocolate <i>Vaasa UAS, Muova, (Finland)</i>
	Break
11:10-11:20	Choice of materials for 3D printing moulds and chocolate box. <i>Centria UAS, Simo Huhtanen (Finland)</i>
11:20-11:30	Experience of printing products using Fused Granule Fabrication and Fused Filament Fabrication methods <i>Centria UAS, Simo Huhtanen (Finland)</i>
11:30-11:40	Questions and Discussion
	Break
Development of prototypes based on thermoset resin materials and optical 3D printing techniques	
12:00-12:15	Optical 3D printing of dental models <i>Labsamera, Vaidas Talačka (Lithuania)</i>
12:15-12:30	Optical 3D printing out of bioresins: custom medical devices on demand <i>Vilnius University, Mangirdas Malinauskas (Lithuania)</i>
12:30-12:45	Development of biobased materials for optical 3D printing <i>KTU, Jolita Ostrauskaitė (Lithuania)</i>
12:45-12:55	Questions and Discussion
12:55-13:00	Summary of the seminar

Register to the seminar [here](#)

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