



1. INTERNATIONAL CIRCULAR PACKAGING CONFERENCE

2009. Szeptember 26-27, Ljubljana, Szlovénia

Pulp and Paper Institute
Bogišičeva 8, 1000 Ljubljana



PULP AND PAPER
INSTITUTE, LJUBLJANA
Innovative Cellulose Products



Faculty of
Polymer
Technology



ŠTAJERSKA
GOSPODARSKA
ZBORNICA



SRIP CIRCULAR
ECONOMY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



REPUBLIC OF SLOVENIA
MINISTRY OF ECONOMIC DEVELOPMENT
AND TECHNOLOGY

CONFERENCE TOPICS

- × Circular economy
- × New innovative bio-based materials
- × Sustainable and optimized packaging design
- × Packaging printing and converting
- × Packaging supply chain optimization through innovative solution
- × Consumer behaviour on a way to circular packaging
- × Life cycle analysis
- × Packaging waste recycling, reusing and composting

PROGRAM (tervezet), 2019, szept. 26, csütörtök

Keynote speakers:

- ❑ **Dr. Maurizio Crippa, CEO at gr3n (Italy):** Circularity to plastic – evolution or revolution?
- ❑ **Julio Vidal Navarro, AITIIP (Spain):** Strategies to move from linear to circular economy in packaging – new trends and developments

Case studies of top rated companies on sustainability challenges and innovative solutions:

- ❑ **DS Smith Slovenia (A. Knez: Circular sustainable packaging solutions)**
- ❑ **Amba CO (Challenges of developing sustainable flexible packaging – experiences of AmbaCO)**
- ❑ **Gorenje**
- ❑ **Plastika Skaza**
- ❑ **Evegreen**
- ❑ **MakeGrowLab**

PROGRAM (tervezet), 2019, szept. 26, csütörtök

(folytatás)

Two masterclasses (45 minute workshops) with an excellent overview for everyone regarding all the questions, opportunities and challenges:

- ❑ Paper reinvented – the packaging material for the 21st century by dr. David Ravnjak, Vevče Paper Mill
- ❑ Biopolymers and Biocomposites: types, structure, recycling by Silverster Bolka, FTPO, Slovenj Gradec

Practical workshop (DS Smith Slovenia)

Conference dinner

PROGRAM (tervezet), 2019, szept. 27, péntek

Keynote speaker:

Prof. dr. Gregor Radonjič, University of Maribor: Packaging sustainability and greenwashing

1st session: Innovative circular materials

- ❑ Production and characterization of the foils from the abundant biopolymer sources (U. Novak, M. Bajić, K.Korge, A. Oberlintner, B. Likozar, KI and TUT)
- ❑ Investigation of poly (ethylene glycol) plasticizer in shellac films (U. Vrabič Brodnjak, Dimitrina Todorova, NTF)
- ❑ Structural, thermal, optical and mechanical properties of nanocellulose / ATH hybrid films (T. Kolar, V. Kokol, UM)
- ❑ Bio-based antimicrobial packaging paper coatings containing complex coacervation microcapsules (B. Šumiga, B. Šumiga, M.Šuštaršič, B. Boh PODGORNIK, ICP and NTF)
- ❑ Testing basepapers and it's components with thermal decomposition to classify corrugated cardboards from quality aspects (B. Tóth, L Koltai , J. Tősi, P. Böröcz, OU and SZIU)
- ❑ Injection moulding process optimization of biocomposites by simulations and Taguchi experimental design (P. Fajs, V. Žepič Bogataj, C. Peñalva, TECOS and AITIIP)

PROGRAM (tervezet), 2019, szept. 27, péntek

(folytatás)

2nd session: **Sustainable and optimized packaging design (ecodesign)**

- ❑ Circular packaging design guideline (U. Gürlich, B.Wohner, V. Heinrich, M. Tacker, FH Campus Wien)
- ❑ Smart functionalities for paper (H. Lammer, U. Müller, Optisens)
- ❑ A case study of flexible packaging using lean methodology (A. Pogačar, J. Miklavc, M. Klinar, NTF and ALUO)
- ❑ Eye tracking study of packaging form judgment (G. Vladić, G. Delić, N. Kašiković, S. Đurđević, B. Banjanin, FTN)
- ❑ Reducing the environmental impact of a product by optimizing its production (B. Viltušnik, Ž. Jelen, Plastika Skaza)
- ❑ Innovative transport packaging for eco farming (N. Radovič, U. Vrabič Brodnjak, NTF)
- ❑ Key recommendations for the printed packaging in the circular economy (Cs. Horváth, L. Koltai, OU)

PROGRAM (tervezet), 2019, szept. 27, péntek

(folytatás)

3rd session: **Life cycle analysis (LCA) and end-use solutions (recycling, reusing and composting)**

- ✘ Negative carbon footprint of packaging paper products, is it possible? (E. M. Schau, A. Sandak, J. Sandak, L. R. Gobakken, InnoRenew CoE)
- ✘ Purification of recycled terephthalic acid and synthesis of polyethylene terephthalate (J. Slapnik, G. Kraft, T. Wilhem, A. Lobnik, FTPO and UM)
- ✘ Wastewater treatment plant sludge; flexible packaging material; revalorization of industry waste (G. Lavrič, A. Miletić, D. Medvešček, S. Nastran, U. Vrabič Brodnjak, ICP, TF VOKA-Snaga and NTF)
- ✘ Product environmental footprint (PEF) Category rules (PEFCR) for intermediate paper products – overview and discussion of important choices made in the development (E. M. Schau, InnoRenew CoE)
- ✘ Recyclability, more than speculation (A. Božič Cerar, GZS)
- ✘ Biodegradability and composting of packaging made from invasive plant based materials (M. Sežun, I. Karlovits, D. Medvešček, U. Kavčič, ICP)

Industrial visit (TBA)

REGISZTRÁCIÓ

Online registration opens on 22nd July 2019 and closes on 23rd September 2019. (website: <http://icp-lj.si/registration>)

Conference fees

- ❑ 1st day (26th of September 2019): 200 EUR + VAT
- ❑ 2nd day (27th of September 2019): 160 EUR + VAT
- ❑ Both days (26th and 27th of September 2019): 250 EUR + VAT
- ❑ *Students with provided student ID card can participate for 20 EUR + VAT.*

The conference fee includes:

- ❑ Access to all presentations, workshops and masterclasses
- ❑ Conference proceedings in electronic and printed version (on request)
- ❑ Additional conference materials
- ❑ Refreshments, conference lunch and conference dinner (on 26th of September - valid also for both 1-day tickets)
- ❑ Industrial visit

KAPCSOLAT

A regisztrációval és a részvétellel kapcsolatban

Marija Skodlar marija.skodlar@icp-lj.si +386 1 200 28 11

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A konferenciával és a programmal kapcsolatban

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Magyarul is!

A konferencia honlapja:

<http://icp-lj.si/international-circular-packaging-conference>

Köszönöm a figyelmet!