

DAY 1 - 11/06

Programme



Where:

LUGANO – Department of Innovative Technologies, University of Applied Sciences and Arts of Southern Switzerland (SUPSI)



Time:

10.15 a.m. – 3:00 p.m.

- 10:15 a.m.** Welcome and introduction
- 10:30 a.m.** Inside the polymers timeline (Prof. Lidia Castoldi - Politecnico di Milano, Dipartimento di Energia, Laboratory of Catalysis and Catalytic Processes)
- 11:15 a.m.** Global plastics trends (Prof. Andrea Castrovinci - University of Applied Sciences and Arts of Southern Switzerland - SUPSI, Department of Innovative Technologies)
- 11:45 a.m.** Stabilization of polymers: state of the art and trends (Roberto Todesco, Senior Technical Specialist Additives – RTV consulting)
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- 12:30 p.m. – 01:30 p.m. LUNCH**
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- 01:30 p.m.** Recycling of flame retardant plastic products (Micaela Lorenzi, CEO di Greenchemicals)
- 02:15 p.m.** The twin screw extruder for compounding (Massimo Ricci, Expert Sales Manager – KraussMaffei Extrusion)
- 03:00 p.m.** Visit at the SUPSI's laboratories (end of the day for the online classes).

DAY 2 - 05/09

Programme



Where:

MILANO – (only online registration)



Time:

01:45 p.m. – 05.15 p.m.

- 01:45 p.m.** Welcome and introduction
- 02:00 p.m.** Styrenic Polymers: an overview with focus on foams (Alessandra Simonelli, R&D Network and Innovative Platforms – Versalis)
- 02:20 p.m.** XPS foam production in 2030: challenges, regulations, obstacles and solutions (Ioannis Kragiopoulos & Anastasia Kragiopoulos - Fibrotermica Hellas)
- 02:40 p.m.** Low halogen additive for XPS and X-EPS (Micaela Lorenzi, CEO – Greenchemicals)
- 03:10 p.m.** Safe-and-Sustainable-by-Design (SSbD) Flame Retardants for Insulation Foams - the EU PLANETS Project Approach (Carl-Christoph Höhne - Fraunhofer Institute for Chemical Technology ICT)
- 03:30 p.m.** XPS – Foam board Production, Applications, Technology and Trends (Michael Schulz, sales – KraussMaffei Extrusion)
- **04:00 p.m. – 04:15 p.m. Q&A / break**

- 04:15 p.m.** Polystyrene – processing, market and sustainability of PS – (Klaus Terlau, Technical Support Manager – INEOS)
- 04:35 p.m.** Innovation in plastics recycling: challenges and opportunities (Andrea La Piccirella, Head of Circular & Traditional Compounding – Versalis)
- 04:55 p.m.** New frontiers for construction: CAM (Minimum Environmental Criteria), EPS and XPS (Marco Piana, Technical director – AIPE - Italian Association Expanded Polystyrene)
- 05:15 p.m. Q&A** – end of the event

DAY 3 - 29/10

Programme



Where:

MENDRISIO – Department of Environment Construction and Design, University of Applied Sciences and Arts of Southern Switzerland (SUPSI)



Time:

10:15 a.m. – 03.30 p.m.

- 10:15 a.m.** Welcome and introduction
- 10:30 a.m.** Fire safety developments for EU construction products (Jürgen Troitzsch, Fire and Environment Protection Service FEPS)
- 11:00 a.m.** Testing and Certification of Construction Products: polymers and criticality (Giombattista Traina, Head of laboratory at Istituto Giordano)
- 11:30 a.m.** PV modules: down-scale tests, fire behavior, and research challenges (Andrea Castrovinci, University of Applied Sciences and Arts of Southern Switzerland – SUPSI)
- 12:00 a.m.** Polymer backsheets for photovoltaic modules: current requirements and new challenges (Marco Lelli, Chief Technical Officer - Coveme Spa)
- **12:30 p.m. – 01:30 p.m. LUNCH**

- 01:30 p.m.** Recent developments in flame retardants strategies for PIR insulation panels (Andrea Stefani, Business Manager EMEA PU Isoexter Isolther – COIM)
- 02:00 p.m.** Halogen free flame retardant: recycled materials for building (Micaela Lorenzi, CEO di Greenchemicals)
- 02:30 p.m.** From the laboratory to the construction site: developments and challenges (Fabio Parolini, University of Applied Sciences and Arts of Southern Switzerland – SUPSI)
- 03:00 p.m.** Visit to the SUPSI's laboratories (end of the day for the online classes)

DAY 4 - 18/11

Programme



Where:

LUGANO – Department of Innovative Technologies, University of Applied Sciences and Arts of Southern Switzerland (SUPSI)



Time:

10:15 a.m. – 03.30 p.m.

- 10:15 a.m.** Welcome and introduction
- 10:30 a.m.** Sustainability in plastics: threat or opportunity? (Prof. Andrea Castrovinci & Marzio Sorlini - University of Applied Sciences and Arts of Southern Switzerland - SUPSI, Department of Innovative Technologies)
- 11:00 a.m.** Wood polymer compound (Filippo Gallizia , CEO and Founder – Geomatrix impact)
- 11:30 a.m.** Recycling and upcycling with the twin screw extruder for compounding (– KraussMaffei Extrusion)
- 12:00 a.m.** Smell removal from recycled materials (Micaela Lorenzi, CEO of Greenchemicals)
- **12:30 p.m. – 01:30 p.m. LUNCH**

- 01:30 p.m.** ** coming soon (Tetrapak)
- 02:15 p.m.** POLYAMIDE: description of type, chemical foundation and blending techniques. New sustainable developments towards next generation engineered plastics (Nicolangelo Peduto, Global R&D Manager – Radici Group)
- 02:45 p.m.** Mineral additives for sustainable polymers (Mathieu Tauban, Technical support manager for plastic applications – Imerys)
- 03:15 p.m.** Visit to the SUPSI's laboratories (end of the day for the online classes)