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SMART & SUSTAINABLE MATERIALS

21.10.2026 | 13:30 – 18:30

NOI TECHPARK BOZEN/BOLZANO, SEMINAR 1

What can materials do today – and what happens to them when a product reaches the end of its life?

For the third edition of SMART & SUSTAINABLE MATERIALS, we're taking a closer look: at plastics that find their way back into the loop. At materials that become sensors. And at solutions that combine sustainability with demanding technical requirements.

Learn how Ducati brings sustainability and high performance together in motorcycle engineering, how Pirelli uses materials to develop innovative tyres, how Scherer turns circular WPC compounds into finished products, and how Aquafil puts recycled ECONYL® PA6 and recyclable mono-material composites to work. On the research side, the University of Trento shares insights into engineering bioplastics, and the Free University of Bozen-Bolzano presents materials that turn into interactive surfaces and can transmit information. Automotive material requirements also take centre stage, with Stellantis and Röchling discussing sustainable solutions for end-of-life vehicles (ELVs).

Join us for an afternoon of real-world examples from industry and research, new material solutions and plenty of time to exchange ideas.



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PROGRAMME

- 13:30 **Check-in**
- 14:00 **Welcome and opening remarks**
Introduction: The shift towards sustainable materials and the economic and regulatory challenges it brings
Andrea Valenari, Vincent Mauroit, NOI Techpark
- 14:10 **Engineering bioplastics for the green transition – current developments**
Andrea Dorigato, University of Trento
- 14:30 **Engineering bioplastics for the green transition – future challenges**
Giulia Fredi, University of Trento
- 14:50 **When smart materials start to “sense”**
Michael Haller, Free University of Bozen-Bolzano
- 15:10 **On the road to ELV compliance – practical solutions using recycled ECONYL® PA6 and recyclable mono-material composites**
Nicole Soligo, Mauro Buccella, Aquafil
- 15:30 **Bicycle tyres of the future – innovation, performance and sustainability**
Virna Motta, Andrea Trombin, Pirelli
- 15:50 **Pausa caffè**
- 16:10 **Brand Identity: When Performance drives Sustainability**
Mattia Balestreri, Ducati
- 16:30 **Material challenges in the context of end-of-life vehicles (ELV)**
Gabriele Ciaccio, Stellantis
- 16:50 **Sustainable automotive products that meet ELV requirements**
Alessandro Iviglia, Röchling
- 17:10 **Advanced compounds – lightweight design, performance and sustainability**
Emanuele Martini, Maip
- 17:25 **WPC Compounds: From Circular Material to Finished Product**
Hubert Sinn, Scherer
- 17:35 **Closing aperitif & networking**

The presentations will be held in English. We are testing an AI tool for simultaneous translation into Italian and German.

REGISTRATION

Register [**here**](#) for the event.
Participation is free of charge.

CONTACT

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