

Leuven, April 28th, 2025

**Concerning:** SAMPE BeNeLux Spring meeting hosted by Brightlands Materials Center on May 13<sup>th</sup>, 2025

Dear friends and members of SAMPE Benelux,

It is my pleasure to present you the program for the 2025 SAMPE BeNeLux Spring meeting.

The meeting is hosted this time by **Brightlands Materials Center – TNO** in Geleen (NL). BMC-TNO is a research and development partner, specialized in (re)designing and recycling polymeric materials, composites and coatings to support industrial innovations in the field of the energy and material transitions.

We start with a lecture program under the theme “**Sustainable composite materials and processes**” followed by a visit program. We’ll visit the thermoplastic recycling and continuous fiber additive manufacturing facilities. Please find hereby a short introduction to our host BMC, also describing the visit highlights:

**Brightlands Materials Center** is a research and development center powered by the shared expertise and facilities of TNO and the Brightlands Chemelot Campus. Our mission is to develop innovative materials solutions for our partners and customers that contribute to the energy and material transition. Brightlands Materials Center runs three research programs: Sustainable Mobility, Circular packaging and Sustainable buildings.

From building circular supply chains to managing the energy transition, the mobility sector is going through unprecedented transformation. To accelerate this progress, we harness the enormous potential of thermoplastic composite materials and technology, bringing lightweighting and circularity to the heart of the mobility sector and supporting the development of a more sustainable mobility in Europe.

Through our innovative use of Continuous Fiber Additive Manufacturing, we create lighter, stronger, easy-to-produce components. This approach enables local production, leverages the efficiencies of automated technology, and reduces time to market. Recognizing this technology’s ability to create a lower-impact, cost-effective series of components, we use every fiber of our ingenuity to maximize its benefits.

In line with our commitment to circularity, we are developing proprietary recycling technology for thermoplastic composite materials. Our unique method retains the fiber length of composites, ensuring the material keeps its desired mechanical properties. In addition, we develop recycled composite materials, such as long fiber thermoplastics, and find ways to reuse these recycled materials in high-end applications. Our focus is to support our partners and customers finding and building more circular TPC supply chains.

The expertise of Brightlands Materials Center bridges theory and practice and is supported by dedicated labs for testing and processing.

After hosting a digital SAMPE BeNeLux meeting in 2021 with a digital lab tour, we hope to meet you in person this time, at the SAMPE BeNeLux Spring Meeting 2025.

Please find hereby the meeting agenda:

- 9.30 Registration & coffee
- 10.00 Welcome and introduction by Aart Van Vuure, SAMPE BeNeLux
- 10.15 Welcome and introduction to Brightlands Materials Center-TNO by Richard Janssen, Business Development Manager - Sustainable Mobility
- 10.30 “reTPC: A Sustainable, Recycled Material for Injection Molding”, Ali Rezaei, Brightlands Materials Center-TNO
- 10.55 “The Art of Recycling UD Tape Edge Waste !”, Indy van Kessel, ReUz
- 11.20 Coffee break
- 11.40 “Lightweight, fully circular composite Solar panels”, Gerard de Leede, Solarge
- 12.05 “Engineering research of sustainable polymer formulations for composites: vitrimers and beyond”, Wim Van Paepegem, U Gent
- 12.30 Lunch
- 13.45 Presentations by winners of SAMPE Benelux student competition
- 14.20 “Continuous production of 100% recyclable glass-PP sandwich panels”, Max Hamm, Compoform
- 14.45 “Tepex® Recycling - Processing of shredded Offcuts”, Lisa Toelle, Envalior
- 15.10 Visit to Brightlands
- 16.30 Start of networking drink

You can register to this event by registering via following link:

<https://sampe-benelux.org/2025/02/18/sampe-benelux-spring-meeting-2025/>

**Deadline for registration of your participation is strictly May 6<sup>th</sup> !** Access to the Campus requires registration and an obligatory (short) online safety instruction. The procedure is as follows: after registration, you will receive an email from the Brightlands Campus with a link to follow the instruction approximately a week before the event. After completion of the instruction, you will receive a QR code per email that is your access at the gate (either print it or have it available to present it on your phone).

Participation is free for SAMPE members. Non-members pay 96.00 € (includes one-year membership) and students 20.00 € to become members (for 1 year). This membership application can be performed online at: <https://sampe-membership.eu>

The meeting will take place at Brightlands Chemelot Campus at following address: Urmonderbaan 22 (gate 2), 6167 RD, Geleen, The Netherlands.

Parking your car is possible in the parking garage (P10) under the Center Court (follow the signs). Use the stairs or elevator to the ground floor and the reception in the Center Court for more information on the conference rooms.

If you wish to stay overnight nearby, we recommend Van der Valk Urmond which is in walking distance.

SAMPE Benelux is grateful to our host Brightlands Materials Center for organizing this SAMPE Benelux meeting together with us.

SAMPE Benelux and Brightlands Materials Center hope to meet many of you live on Tuesday May 13<sup>th</sup>,

with regards,

Aart Van Vuure

for SAMPE Benelux