

# MATERIAL EXTRUSION ADDITIVE MANUFACTURING FOR HIGH PERFORMANCE LIGHTWEIGHT PRODUCTS

16<sup>th</sup> February 2024, 11:00–15:30

Carinthia University of Applied Sciences, Europastrasse 4, 9524 Villach

Please register here: <https://forms.office.com/e/npb494cgnp>



## THE GOAL OF THE WORKSHOP IS TO OFFER A PLATFORM

- to present emerging and existing material extrusion additive manufacturing technologies to produce high performance lightweight products and
- to gather partners along the value chain for possible future collaborations and pilot cases within the ADDCIRCLES project.

## AGENDA

11:00 – 11:15	<b>Presentation of ADDCIRCLES project (EN)</b>
11:15 – 12:45	<b>Expert talks (EN)</b> <ul style="list-style-type: none"><li>• Developments in continuous fiber-reinforced additive manufacturing – Chethan Savandaiah, Wood K plus (15 min)</li><li>• New possibilities gained through multi-axis printing – Mathias Brandstötter, ADMiRE (15 min)</li><li>• A novel method and printhead for 3D printing combined nano-/microfiber solid structures – Budapest University of Technology and Economics (hybrid, 20 min)</li><li>• Additive manufacturing of high-performance composites – 9T Labs (hybrid, 20 min)</li><li>• Applications and use cases in industry – Anisoprint (hybrid, 20 min)</li></ul>
12:45 – 13:30	<b>Break with snacks</b>
13:30 – 14:30	<b>Companies presenting their demonstrator ideas (EN)</b> <ul style="list-style-type: none"><li>• Grippers for mobile robot in agriculture – RoboKraft GmbH (15 min)</li><li>• Race Bikes – Berk Composites (15 min)</li><li>• Demonstrator 3 (15 min)</li><li>• Demonstrator 4 (15 min)</li></ul>
14:30 – 15:30	<b>Discussion of demonstrators in groups (SI/AT) and decision which demonstrator(s) will be analysed in detail in the project (EN)</b>