

## PROGRAMME

### ***EMPHATI-Workshop @ Hochschule Bremen (HSB)***

#### ***– PHA's for industrial applications –***

**21. November 2023**

- 12:00 Arrival of the participants & lunch snack
- 12:45 Introduction and welcome (Prof. Dr.-Ing. Jörg Müssig, HSB – The Biological Materials Group, Germany)
- 13:00 Producing PHA (high PHA content biomass, and purified PHA) and bringing this product to the market (Dr. João Sousa / Ir. J.F. Joost Paques, Paques Biomaterials, The Netherlands)
- 13:20 Biodegradation or disintegration and what's the influence of the environment (Corinne van Noordenne-Bos, NHL Stenden, The Netherlands)
- 13:40 Discussion of the methodology of LCA using the example of PHA and other plastics (Dr. Matthias Stratmann, nova-Institut, Germany)
- 14:00 Panel discussion with the speakers (moderated by Dr.-Ing. Nina Graupner, HSB – The Biological Materials Group, Germany)
- 14:20 Coffee break
- 14:50 Mechanical performance of bio-based PHA composites (Dr.-Ing. Nina Graupner, HSB – The Biological Materials Group, Germany)
- 15:10 The challenging road on changing from fossil-based plastic to PHA in injection moulding: easy and simple? (Bart Labrie, H&P Moulding Emmen B.V., The Netherlands)
- 15:30 3D printing of PHA composites (Raja Bade, HSB – The Biological Materials Group, Germany)
- 15:50 Panel discussion with the speakers (moderated by Prof. Dr.-Ing. Jörg Müssig, HSB – The Biological Materials Group)
- 16:10 Networking, coffee and cake
- 17:15 End of the event

#### **Event address:**



Hermann-Köhl-Straße 1  
Freiraum, ground floor  
28199 Bremen, Germany

***Please send your free registration by e-mail to  
Nina Graupner ([nina.graupner@hs-bremen.de](mailto:nina.graupner@hs-bremen.de))  
by 10 November***