

Dr.-Ing. Maik Feldmann is Project Manager for lightweight Hydrogen pressure vessels made of carbon fibers focusing on automotive and ground storage applications at the company Hexagon Purus (belongs to Hexagon Composites ASA). Furthermore, he is lecturer for “Fiber Reinforced Materials and their Processing”, “Polymer Testing” and “Rotor Blades (focus on materials)” at the University of Kassel.

Dr. Feldmann studied mechanical engineering with specialization in polymer engineering. His first diploma thesis (bachelor thesis) dealt with carbon fiber engineering design for wheel chairs. His second diploma thesis (master thesis) focused on a special mold technology for compression molding of self-reinforced polypropylene. From 2008 until 2012 he has been working as scientific researcher at the Institute for Material Engineering - Polymer Engineering at the University of Kassel, in the field of bioplastics and natural fibers. In 2012 he did his doctor’s degree in bio-based polyamides with cellulose fibers with focus on processing and properties (supervisor Prof. Dr.-Ing. A. K. Bledzki). From 2012 to 2018 he was the head of the department/section of Material Development and Composites at the chair Polymer Engineering of Prof. Dr.-Ing. Heim at the University of Kassel. The department focused mostly on processing, modification and characterization of bioplastics and fiber reinforced materials. Additionally, he was scientific director of the collaborative research project “Safer Materials”.