

Biographical Sketch:

Dirk Lehmus

Dr. Lehmus studied mechanical engineering at the Leibniz Universität Hannover. After graduating, he worked as project manager in the field of lightweight materials at the Fraunhofer Institute for Manufacturing and Advanced Materials (IFAM) in Bremen, initiating and coordinating both publicly funded and bilateral industrial research projects in this field. In 2008, he received his PhD from the University of Bremen, Faculty of Production Engineering, for studies on the understanding and optimization of manufacturing processes and properties of aluminum foams produced according to the powder compact melting or Fraunhofer process. From 2009 to 2017, he acted as Managing Director for the ISIS Sensorial Materials Scientific Centre at the University of Bremen dedicated to cross-disciplinary fundamental research in the field of material-integrated intelligent systems, before returning to Fraunhofer IFAM with the beginning of the year 2018. His research interests and publications extend beyond the aforementioned topics to powder-metallurgical materials and processes, including additive manufacturing, metal matrix composites and metal matrix syntactic foams, the latter also covering iron-based materials, and light metal casting. Dr. Lehmus has co-authored more than 50 scientific publications, is member of the editorial board of “Metals” (MDPI, ISSN 2075-4701) and “Materials” (MDPI, ISSN 1996-1944), as well as the DGM and the TMS’ Composite Materials Committee. He has participated in the organization of several scientific conferences and symposia, e. g. in the framework of Euromat and MS&T.