

## Dr.-Ing. Kai Fischer



Scientific Director Institute of Plastics Processing (IKV)  
Member Managing Board of the Aachen Center for Integrative Lightweight Production – AZL  
Managing Partner of AZL Aachen GmbH  
Managing Partner of Conbility GmbH

Dr. Kai Fischer, born in 1977, studied Mechanical Engineering with focus on aerospace engineering at RWTH Aachen University.

From 2005 to 2010, he worked as a research assistant at the Institute of Plastics Processing (IKV) in Industry and the Skilled Crafts at RWTH Aachen University. There he finished his doctorate with honors on mass-production of components from fiber-reinforced plastics with thermosetting resins.

From 2010 to 2015, he has led the department of “Composites and Polyurethane Technology” with a team of about 45 people. The department deals with all relevant technologies for the production of semi-finished products and components made from thermoset and thermoplastic composites. He has been project leader in about 30 public funded research projects and coordinated programs, under his supervision he and his team have been awarded amongst other awards six times in a row with the Innovation Award of the German Federation of Reinforced Plastics (AVK).

Since 2015, Dr. Fischer is responsible for the strategic planning and coordination of all relevant technologies addressing lightweight as Scientific Director at IKV. This covers production technology as well as fracture mechanics and process simulation for short, long and continuous fibre reinforced plastics and hybrid material systems.

Since 2012, Dr. Fischer is Member of the Managing Board of RWTH’s Aachen Centre for Integrative Lightweight Production (AZL). The objective of the Aachen Center for Integrative Lightweight Production is the transformation of lightweight design in mass production by interdisciplinary collaboration between the material and production technology. In 2013 he co-founded AZL Aachen GmbH, a provider of engineering services, strategic consulting and business development support in the field of lightweight production technology and acts as managing partner till today.

Since 2015 he is co-founder and Managing partner of Conbility GmbH. Conbility offers production machines and manufacturing services for converting tapes to load and scrap optimized lightweight products. Furthermore, Conbility supports companies in evaluating technologies and implementing digitalization strategies for improving productivity.

He is active in various research organizations, industrial associations and policy-related committees. Since 2012, he is lecturer of RWTH Aachen University and responsible for the two semester lecture “Fibre Reinforced Materials”. He has been honored with several awards e.g. by the Society for the Advancement of Materials and Process Engineering (SAMPE), the German Federation of Reinforced Plastics (AVK), the Future Award of the State of North Rhine Westphalia (the highest donated German award for applied science behind the German Future Award), the JEC Innovation Award and the Borchers Badge awarded by RWTH Aachen university to outstanding doctoral graduates. He is author of more than 180 publications.