

Author biography.

Dr. Wilhelm Pfleging is head of the group Laser Materials Processing at the Institute of Applied Materials (IAM-AWP) which is part of the Karlsruhe Institute of Technology (KIT). He has more than 20 years of experience in Laser Technology. He has published over 150 peer-reviewed articles in scientific journals, books and conference reports. He has four patents granted and one patent on pending. At KIT he initiates and manages several industrial collaborative research and development projects on laser applications with emphasis on laser ablation, surface modification and welding on micrometer and nanometer scale. His current research is focused on the development of laser-assisted processes, analytics and manufacturing for advanced lithium-ion batteries (3D Battery).

