



Prof. Sven Ulrich

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Prof. Dr. habil. Sven Ulrich (Male, Birthday: April 2nd 1965, Nationality: German) is Deputy Head of the Institute for Applied Materials, Head of the Department Composite and Thin Films, and is a Professor at the Faculty of Mechanical Engineering at the Karlsruhe Institute of Technology (KIT). He received his diploma degree in Physics 1991 and his PhD in Physics 1996 (both at University of Kaiserslautern, Germany) and is currently the President of the German Vacuum Society and Vice President of the advisory board of the Institute for Surface and Thin Film Analysis in Kaiserslautern, Germany, and a member of the board of the German Physical Society. His research activities focus the understanding of plasma surface interactions during dynamic thin film growth processes on the atomic level and on the identification of mechanisms during the thin film growth itself. Furthermore, he investigates correlations between coating design, plasma conditions, film growth, microstructure, properties and coating behaviour which introduce into applications. He uses various reactive and non-reactive physical vapour deposition techniques as well as plasma assisted chemical vapour deposition methods for the development of protective and functional coatings. He has published more than 160 papers and review articles (sum of the times cited: more than 5,000, average citations per Item: 34, h-index: 35). Additionally, he holds 46 patents.