



The 10th Asian-European International Conference on Plasma Surface Engineering  
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## **Ralf Bandorf**

1998 studied Physics at Friedrich-Alexander University Erlangen/Nuremberg, Germany. (His work focused on preparation of metastable ironsilicides and phase characterization by LEED.)

1998 joined Fraunhofer IST for his PhD thesis.

2002 PhD in Mechanical Engineering from Fraunhofer IST / Carolo-Wilhelmina Technical University Braunschweig, Germany. His thesis focused on sub-micron tribological coatings for electromagnetic microactuators. Ralf continued at Fraunhofer IST as a scientist, specifically as Project leader in Group Micro and Sensor Technology with a Focus on PVD and PACVD coatings. He worked in the field of plastic metallization for flexible circuits, piezoresistive materials (especially based on DLC), electrical conductive and insulating coatings as well as magnetic thin films.

2007 Head of Group "Sensoric Functional Coatings"

2009-2012 Session chair of the HIPIMS session at ICMCTF, US

2009 Assistant HIPIMS TAC Chair at the Society of Vacuum Coaters

Since 2015 Head of Group "Highly Ionized Plasmas and PECVD" at Fraunhofer IST. His focus is on PACVD with different excitation, plasma sources, hollow cathode processes, especially gas flow sputtering, and HIPIMS. He has served as assistant HIPIMS TAC Chair at the Society of Vacuum Coaters since 2009. Ralf is the conference Chairman of the International Conference on Fundamentals and Applications of HIPIMS and Action Chair of the COST Action MP0804: Highly ionized pulse plasma processes (HIPP processes, 2009-2013), a European scientific networking activity gathering experts worldwide in the field of HIPP plasmas, especially HIPIMS. Ralf is assistant Program Chairman (2015-2016) and Program Chairman (2017-2018) at the SVC TechCon. In 2014 Ralf received the SVC Mentor Award "for his remarkable development of the High Power Impulse Magnetron Sputtering (HIPIMS) process at an industrial scale and establishing the HIPIMS community in Europe and worldwide".