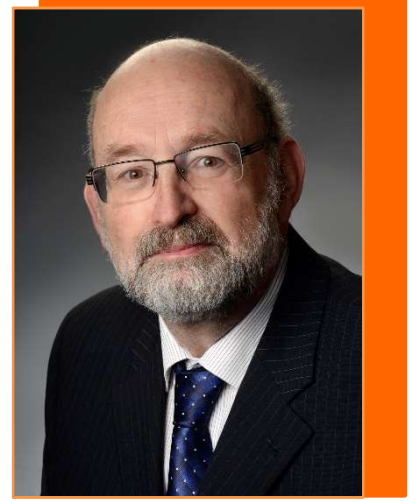


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Dr. habil. Mathias Herrmann is head of department at the Fraunhofer Institute for Ceramic Technologies and Systems IKTS in Dresden, Germany. He studied chemistry and received his Ph.D. degree in chemistry at the Moscow State University, Russia in 1984. Mathias Herrmann started his research activities in the field of ceramic materials at the Academy of Science of the GDR. Since 1992 he has been working in different positions at the Fraunhofer Institute for Ceramic Technologies and Systems (IKTS).

During his career, Mathias Herrmann held lectures at different universities. He was visiting lecturer at Wits University from 2002 to 20014. He co-supervised more than 20 PhD theses, participated or directed several European and national projects. He is author/coauthor of more than 200 papers including review articles as well as of 30 patents. He received the Fraunhofer Award in 1999 and the Scientific Award of the Stifterverband of the German Industry in 2010.

His main research fields concern the development and characterization of nonoxide ceramic materials and components for structural applications. In the last years, his research focused on the tailoring of microstructures of silicon nitride materials with improved wear and corrosion behavior as well as the development of superhard wear-resistant ceramic composites.