

Dr. Kentaro Shinoda is a Senior Researcher at the Advanced Coating Technology Research Center at the National Institute of Advanced Industrial Science and Technology (AIST), Japan. He is currently involved in establishing a coating research hub and developing a new ceramic coating technology called hybrid aerosol deposition (HAD), which enables a combination of aerosol deposition and plasma spray technology in the Cross-Ministerial Strategic Innovative Promotion (SIP) program. His research interests include understanding of the nature of ceramic coating processes such as thermal spray, aerosol deposition, and chemical solution deposition based on process diagnostics as well as development of functional/structural applications such as thermal/environmental barrier coatings towards prime reliant coatings. He is also appointed as an Adjunct Associate Professor at Shibaura Institute of Technology and has supervised several master and bachelor students. He has published more than fifty peer-reviewed journal papers and conference proceedings and received several awards including the Best Paper Award at the International Thermal Spray Conference. He serves as a chief editor and a specially appointed member of the board of directors of the Japan Thermal Spray Society. He also serves as a member of ASM Thermal Spray Society Programming Committee and an associate editor for the Journal of Thermal Spray Technology.

Dr. Shinoda received his Bachelor degree at the Department of Materials in 2000, his Master degree at the Department of Metallurgical Engineering in 2002, and his Ph.D. (in Engineering) at the Department of Materials Engineering in 2006 from the University of Tokyo. He studied as a short exchange scholar at the Centre for Advanced Coating Technologies (CACT), University of Toronto in 2005 during his Ph.D. study. After two-year postdoctoral fellowship at the Composites and Coatings Center at the National Institute for Materials Science (NIMS), he studied three years as a postdoctoral associate at the Center for Thermal Spray Research (CTSR) at Stony Brook University in USA. In 2011, he joined as a researcher in the Advanced Manufacturing Research Institute at AIST, and was promoted to a senior researcher in 2013 and hold his current position since 2015.