



Prof. Panart Khajornrungruang

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Dr. Panart Khajornrungruang is an Associate Professor in the Mechanical Science and Technology Division, Department of Intelligent and Control Systems, at the Kyushu Institute of Technology (Kyutech). He received his B.E. degree in Mechanical Engineering in 2000 and his Ph.D. degree in Mechanical Engineering and Systems in 2005, both from Osaka University. He was supported by the Japanese Government (MEXT) Scholarship, followed by the Rotary Yoneyama Memorial Foundation Scholarship.

He began his academic career at Kyutech in 2005 as a Research Associate, was appointed Assistant Professor in 2007, and has served as Associate Professor since 2016. In 2013, he was a Visiting Research Associate Professor at Clarkson University, hosted by Professor Emeritus S. V. Babu.

His primary research focuses on laser-assisted precision engineering and the Chemical Mechanical Polishing (CMP) process. He is recognized for his pioneering work on the direct three-dimensional observation of moving nanoparticles, as well as for establishing measurement principles and developing instruments that utilize the evanescent field to dynamically observe and quantify sub-100 nm particles involved in nanoscale interfacial phenomena in wet processes. He is a member of academic societies including the Japan Society for Precision Engineering (JSPE), the Japan Society of Mechanical Engineers (JSME), and the Japan Society for Abrasive Technology (JSAT).