

Professor Dr. Shae K. Kim

Prof. Dr. Shae K. Kim is a professor in UST and a principal researcher in KITECH, Korea since 2002. He received his Ph.D. in SKK University by “semisolid process of Mg alloys and composites.” KITECH, Korea Institute of Industrial Technology, supports most of Korea’s R&Ds for collaboration with SMEs (Small to Medium sized Enterprises) and also UST (University of Science & Technology).

He has great fortune to continue and focus his research on the development of Mg and Al alloys more than 15 years. It’s so seldom in Korean R&D nature. Since 2004, he has more focused on developing ECO-Mg and ECO-Al alloys. The idea of ECO-Mg and ECO-Al alloys has been initiated from one simple question – “What degree of mechanical properties of Mg and Al alloys can we get to?” and “Is there any possibility to remove Mg related oxides and inclusions in a practical way?” The maxim of ECO-Metal is to reduce down the gap between ideal and real values by controlling the level of uncontrollable Mg related defects during and through conventional processes.