

## Short Biography

**SEUNG-WOO KIM**

Emeritus Professor, PhD  
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### Current Appointments:

Professor, Department of Mechanical Engineering, KAIST, 1985.5 – present (Emeritus since 2020.9).

National Scientist conferred by the Ministry of Science & Technology, the Republic of Korea in 2012.9.

Editor-in-Chief, Journal of Mechanical Science & Technology - Advances, 2021.7 – present.

Fellow of the National Academy of Engineering of Korea (NAEK), Emeritus since 2020.9.

### Biography

Since 1985 Professor Seung-Woo Kim has been teaching and leading a research group of graduate students at KAIST, producing 70 PhD and 20 MSc graduates under his supervision. His professional interests are precision optical technology with specialty on optical-mechanics system synthesis for precision machines design, optical interferometry for 3-D surface and thin-film metrology, and ultrafast photonics for nano-scale fabrication and ultra-precision measurements. He has published ~ 250 technical papers in peer-reviewed journals, ~ 680 presentations in conferences, and ~ 80 patents. He has been working as principal investigator for numerous national and industrial research projects, including the important national creative research initiative project intended for the development of next generation precision engineering key technologies using femtosecond pulse lasers. He was conferred the status of a national scientist in 2012 by the Ministry of Science and Technology, ROK. He has actively been involved in international academic societies, organizing on-time conferences for leading-edge precision engineering optical technologies. He was president of the Korea Society of Precision Engineering (KSPE) during the term of 2011 and is currently a fellow of CIRP (the International Academy for Production Engineering).