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- Ph.D. and B.S. in Mechanical Engineering, Seoul National University, Seoul, Korea
- Senior researcher (2007~2016) and Principal researcher (2016~now) in the Korea Institute of Machinery and Materials (KIMM)
- Dr. Yoon has been working on Micro-/Nanofabrication technologies and their applications to various devices.

Dr. Jae Sung Yoon is a principal researcher of Korea Institute of Machinery and Materials (KIMM), and a professor of Korea University of Science and Technology (UST). He obtained the undergraduate degree in mechanical engineering from Seoul National University in Seoul, south Korea (1997). He received his Ph.D. degree in Mechanical Engineering from Seoul National University (2006) under the supervision of Professor Min Soo Kim. He was appointed to the department of Nano Manufacturing Technology at KIMM as a senior researcher (2007), then was promoted as a principal researcher (2016).

Dr. Yoon has been making contributions in the microfabrication technologies and nano- and micro devices, having 19 research papers published and over 60 patents registered. For his research activities, he was awarded 'Researcher of the month' from Daejeon metropolitan city (2016), and 'Young Engineers Award' from Korean Society of Manufacturing Technology Engineers (2016).

His current research is focused on nanophotonics for structural colors, sensors with nanostructures and biosensors. What he emphasizes in the research is the connection and transfer of the knowledge and technology between the laboratory and the industries.