

Dr. Suk Jae Yoo
Korea Institute of Fusion Energy (KFE),
Republic of Korea

**Education:**

Jun. 1997 Ph.D, Plasma Physics, Karlsruhe Institute of Technology (KIT), Germany
Feb. 1989 M.S, Department of Nuclear Engineering, Seoul National University, Korea
Feb. 1987 B.S, Department of Nuclear Engineering, Seoul National University, Korea

Professional Experience:

Nov. 2020 – present President, Korea Institute of Fusion Energy (KFE)
Feb. 2018 – Nov. 2020 President, National Fusion Research Institute (NFRI)
Sep. 2013 – Feb. 2019 Adjunct Professor, Graduate school of plasma convergence engineering, Gunsan National University
Nov. 2014 – Feb. 2018 Vice President, National Fusion Research Institute (NFRI)
Jan. 2010 - Feb. 2018 Director of Plasma Technology Research Center, National Fusion Research Institute (NFRI)
2015 - 2016 Chair, Division of plasma and display of the Korean Vacuum Society
2011 – 2016 Member of board of directors of Korean Vacuum Society and Korean Institute of Surface Engineering
Mar. 2004 – Feb. 2014 Adjunct Professor, Department of Fusion and Plasma, University of Science and Technology (UST)

Research Areas:

- Plasma diagnostics for nuclear fusion and low temperature plasmas
- Plasma applications to agriculture and food
- Generation and applications of low energy particle beams:
- Development and applications of low temperature plasma sources

Publications:

1. Dissertation: 'Spectroscopic Diagnostics of the Anode Plasma on Karlsruhe Light Ion Beam Facility (KALIF)'.
2. MS thesis: 'The Output Characteristics of TEA CO₂ Laser for Sulfur Isotope Separation'.
3. Over 50 SCI papers published and over 50 patents registered