

iFPC & OS 2023

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Biography

- Dr. Jang Gyoo Yang is an Executive Vice President and Head of Mechatronics Research at Samsung Electronics since 2017. He joined the company in 2012 as a Vice President and served as Head of Fab Equipment Team. He leads the development and innovation of Samsung's equipment technologies in collaboration with suppliers, as well as timely deployment of these technologies to secure Samsung's competitive position in the industry.
- Prior to joining Samsung, he held various technical leadership positions including Distinguished Member of Technical Staff and Senior Director at Applied Materials, Intevac and Novellus from 2000 to 2012. He made significant contributions to the development of new technologies in Etch, CVD, and Dry Cleaning equipment with his expertise in RF and plasma technologies.
- Dr. Yang began his career in fusion science and engineering. From 1994 to 2000, he oversaw the development of a high-power RF/microwave heating system and the operation of a large-scale Magnetic Mirror Machine for the national plasma fusion facility as a team leader and a senior researcher at the Korea Basic Science Institute.
- He obtained his Ph.D., M.S. Degrees in plasma physics from the Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea.