

NAME: YASUHIRO IIJIMA

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PHOTO:



BIOGRAPHY :

Yasuhiro Iijima was graduated from the University of Tokyo as B. Eng. Degree in applied physics in 1987. He joined Fujikura Ltd. and explored wire processing of high T_c cuprate superconductors especially using vapor phase deposition under the national program consigned by New Energy and Industrial Technology Development Organization (NEDO), MITI.

In 1991, he first produced cube-textured thin template film on random polycrystalline substrate by using Ion-Beam-Assisted Deposition (IBAD) process, and applied it for the first demonstration of biaxially textured high J_c RE-Ba-Cu-O coated conductors. He concentrated entirely on the industrialization of roll-to-roll large-area deposition process for high quality RE-Ba-Cu-O coated conductors using IBAD technique and finally achieved quite uniform and good throughput wire process even with BMO artificial pinning centers, especially by development of hot-wall Pulsed Laser Deposition (PLD) process. He published over 150 papers and gave over 20 invited lectures including updated results obtained in Fujikura, where he is currently the Executive Fellow.

He received Ph.D. degree in materials engineering from University of Tokyo in 2005. He was the recipient of Award on Superconductivity Science and Technology from The Society of Non-Traditional Technology in 1998, Best Review Paper Award from Japanese Society of Applied Physics in 1999, Technical Progress Award in 2014, and Achievement Award on Industrial Technology in 2017 from Cryogenics and Superconductivity Society of Japan, and also 2020th IEEE Dr. James Wong Award for Continuing and Significant Contributions to Applied Superconductor Materials Technology.