

NVMTS 2024

October 21-23, 2024 | Paradise Hotel Busan (Haeundae Beach), Busan, Korea



Dr. Hiroaki Yoda

(YODA-S, Inc., Japan)

Mr. Hiroaki Yoda is a founder and a CEO/CTO at YODA-S, Inc. Before founding YODA-S, Inc., he worked for Toshiba Corporation and Kioxia Corporation as a senior fellow. He has actively and continuously proposed several new efficient writing mechanisms for MRAM since 2000. He proposed and proved high efficiency of STT-writing in MTJs with perpendicular magnetic anisotropy (PMA) for world 1st as the program leader of NEDO (New Energy and Industrial Technology Development Organization) spin-RAM program (2006-2010). After founding YODA-S, Inc. he proposed SOT-writing in MTJs with strain-induced magnetic anisotropy and proved higher writing efficiency than that of STT-MRAM.

He is the recipient of the awards: Nikkei BP grand award on GMR heads (1996), Kanto invention award on HDD read & write heads (2005), Ichimura Industrial award on HDD read & write heads (2006), Japan national invention award on HDD read & write heads (2007), Toshiba President Award (2010), ImPACT Program Certificate of Appreciation (2019)

He gave more than 6 invited talks on HDD heads & more than 68 invited talks on MRAMs. He has more than 225 registered patents on HDD heads & MRAMs.

He received B.S. degree in Physics from Kyusyu university (1982) and M.S. degree in Electrical Engineering from Washington university (1990) in St. Louis USA.