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Woo Sik Yoo, Ph.D. co-founder, President and Technical Officer at WaferMasters, Inc. holds MS and Ph.D. degrees in electrical engineering from Kyoto University in Japan and an MBA degree from Western Connecticut State University in the U.S. He was a visiting scientist at the Materials Science and Engineering Department of Brown University from 1993 to 1994.

He has authored and co-authored more than 200 papers in the field of thermal processing, thin film deposition, material characterization of silicon and semiconductor related materials including compound semiconductors.

Dr. Yoo has designed furnace based single wafer RTP systems, Flash anneal system, multiwavelength Raman spectroscopy system, multiwavelength photoluminescence (PL) system and laser-based wafer surface profiling system at WaferMasters. He has been developing image processing software for factory automation, material science, life science, archeology, conservation science, environmental science and agricultural research applications.

He received the Solid State Devices and Materials (SSDM) Award in 2005 and holds 62 US patents and numerous foreign patents.