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Prof. Fred ROOZEBOOM

Eindhoven University of Technology &
TNO-Holst Centre, Eindhoven, The Netherlands

Fred Roozeboom is a Professor at Eindhoven University of Technology, The Netherlands and Senior Technical Advisor at TNO-Holst Centre in Eindhoven, The Netherlands

After his MSc from Utrecht University and PhD at Twente University in The Netherlands, he continued his career in catalysis with ExxonMobil in Baton Rouge, USA (1980-1982). In 1983, he joined Philips Research (since 2006: NXP) in Eindhoven, The Netherlands, to work on thin-film technology for III-V and Si semiconductors and for soft-magnetic materials. From 1997-2009 he led a team on 3D passive Si-integration. For this work he received the Bronze Award for '*NXP Invention of the Year 2007*' and became NXP Research Fellow.

In 2007 he became part-time professor at TU Eindhoven. In 2009 he joined a team at TNO Eindhoven specializing in spatial ALD and ALE. In 2014 he became Fellow of the Electrochemical Society.

Fred is co-/author of 200+ publications (h-index: 33), 5 book chapters, 35 granted US patents, and co-/editor of 40 conference proceedings on semiconductor processing.

Fred has been or is active in organizing committees of several conferences (Materials Research Society, Electrochemical Society) and is a member of the SEMI Europe Semiconductor Technology Programs Committee.

Topics of interest: ultrathin-film technology, plasma processing, spatial ALD, reactive ion etching, 3D passive and heterogeneous integration, RTP, microsystem technology, Li-ion micro-batteries, sensors, displays.