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## Session-3, 11-Mar'25 Environmental reliability: HTOL (High-Temperature-Operation-Lifetime), ELF (Early failure), DfR (Design-for-Reliability): testing methodology and analysis, examples, Physical and Environmental Qualification plan and results for advanced ICs, Automotive Reliability: DfA (Design-for-Automotive) and ISO26262, Manufacturing and Quality (IATF16949), Reliability (AEC-Q100), Design IPs (Intellectual Properties) for Automotive OVS (Electrical Over Stress), ESD (Electro-Static-discharge) protection, Course summary. Test Time: TBD Eitan N. Shauly Mar, 2025 page 4 Technical data contained herein are proprietary information of TOWER SEMICONDUCTOR LTD / Eitan Shauly which shall be treated confidentially, and shall not be lumished to third parties of market public market within commissional TOWER SEMICONDUCTOR LTD / Eitan Shauly. TOMER



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## Instructor

Dr. Eitan Shauly, Technology Development, Tower Semiconductor LTD, Migdal Ha'Emek.

Eitan N. Shauly received the B.Sc. degree in materials engineering from Ben-Gurion University in 1989, and M.Sc. and Ph.D. degrees in materials engineering from the Technion-Institute of Technology, in 1995 and 2001, respectively. He has worked for Tower Semiconductor since 1989. During 1989-1994 he was a diffusion and ion implantation engineer. During 1994-1997 he was a device engineer, focusing on process integration and process modeling. Since 1998 he is doing integration, focusing on process flow development, process modeling and design rules.

Academic activity includes: Process, devices, memory, Reliability

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