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Peter Ventzek manages the Concept and Feasibility Laboratory (CFL) of Tokyo Electron America, Inc. in Austin Texas. He began his career with a PhD in Nuclear Engineering from The University of Michigan. His career includes management of plasma and process science research groups at Motorola/Freescale, Lam Research, tenure as an Associate Professor at Hokkaido University and Professor at Keio University as part of Keio's Leading Graduate Student Program and post-doctoral research at the University of Illinois Urbana Champaign. He is an AVS Fellow, AVS Plasma Prize recipient and past chair of the AVS Plasma Science and Technology Division and Gaseous Electronics Conference.