



Innovations in Semiconductor Fabrication: An Equipment Supplier's Perspective



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Lam Research Corporation

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Zoom: <https://purdue-edu.zoom.us/j/97282771908>

Abstract:

Semiconductor technology is critical in enabling a global digital economy. With device complexity on the rise, advanced technology scaling is harder than ever. It means finding new ways to accelerate innovation, at lower cost, while reducing the industry's environmental impact. Lam's innovative wafer fabrication equipment continues to push the boundaries of what's possible, enabling chipmakers to build smaller, faster, and better performing electronic devices. Dr. Nerissa Draeger will introduce Lam's technology as well as share her career experience.

Biography:

Dr. Nerissa Draeger is a senior innovation leader in the Office of the CTO at Lam Research. Her interests lie at the intersection of emerging technologies, strategy and people. As Director of Global University Engagements at Lam, she drives innovation programs, guides external research collaborations to make industry impact, and builds academic partnerships to foster diversity in Lam's technology and talent pipelines.

Prior to this role, Dr. Draeger managed programs on advanced materials and processes, emerging electronic devices, strategic business and intellectual property development. She earned her Ph.D. in materials science and engineering from the University of Illinois at Urbana-Champaign and her B.S.E. from the University of Michigan at Ann Arbor. She currently holds positions on the Board of Directors for UIDP and the Materials Research Society (MRS), in addition to industry advisory roles for academic research consortia.

Host: Prof. Zhihong Chen - (zhchen@purdue.edu)