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MSEC SEMINAR AND COMMERCIALIZATION FORUM



INVITED SPEAKER:

DR. VAN TRUSKETT

“THE STARTUP AND OTHER LIFE EXPERIENCES”

October 23rd, 2020

1:30 – 3:00 PM



Contact MSEC Staff for Zoom link/passcode to attend

Abstract:

Van Truskett is a highly accomplished inventor and leader in the nanoimprint lithography industry. Dr. Truskett has successfully launched 6 novel inkjet printhead products with over 50 key US and international patents representing the core nanoimprint technology portfolio. During her career, she has developed multiple innovations including drop-on-demand dispense methods to enable the production of industry-leading, high-resolution, low-cost-of-ownership nanoprint lithography systems for hard disk drives, semiconductors, and flat panel display applications. She will discuss her own personal journey and the technologies that made it all possible.

Biography:

Dr. Van N. Truskett earned a B.S. degree in chemical engineering in 1996 from the University of Texas at Austin followed by a Ph.D. in chemical engineering in 2002 from Johns Hopkins University. She has a track record of innovation, leadership, and attainment of business results in nanoimprint lithography addressing its introduction and use in the semiconductor, hard disk drive, and emerging market (bio, solar, LED, display) applications, as well as over 14 years of technical, operations, and strategic leadership experience related to semiconductor equipment

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manufacturing and inkjet printhead R&D and product release. Her work has taken jetting technology from scholarship to practice in the US and Asia, enabling a novel path for lower production costs for the semiconductor industry.

Dr. Truskett also played a critical role in a team that raised \$150M in venture capital and developed a startup, Molecular Imprints, into a successful enterprise that was acquired by Canon in 2014 to form Canon Nanotechnologies. Her accomplishments included the development of dramatically higher resolution nanopatterning solutions at a lower cost of ownership compared to competitors. She was instrumental in the product release of over 10 nanoimprint lithography products and over 6 cutting edge inkjet printing products. She has 79 patents (17 US and 62 international) constituting the core technology.

Furthermore, Dr. Truskett is a nationally recognized technology and business leader. She is the recipient of the 2014 Industrial Research & Development Award from the American Institute of Chemical Engineers (AIChE). This is a national chemical engineering award for innovation, creativity, and impact of bringing new product to market. In 2016, she was awarded The Edith and Peter O'Donnell Award in Technology Innovation from The Academy of Medicine, Engineering, and Science of Texas and also was selected as the Distinguished Engineering Graduate (DEG) from the Cockrell School of Engineering at The University of Texas at Austin. The O'Donnell Award is the most prestigious state award recognizing Texas based researchers for their pioneering work. The DEG award is the highest honor from the Cockrell School given to highly respected professionals, dedicated engineers, and supporters of higher education. In 2017, Dr. Truskett was inducted into the Academy of Distinguished Chemical Engineers from the McKetta Department of Chemical Engineering University of Texas at Austin. As of 2020, Dr. Truskett became a Board member of the Center for Innovation & Entrepreneurship Excellence (CIEE) of AIChE.

Dr. Truskett served as Director of Jetting Technology for Canon Nanotechnologies. Her groundbreaking developments, scientific contributions, and leadership of core technologies in semiconductor equipment manufacturing and inkjet printhead innovation was seminal to the company's acquisition. Currently, Dr. Truskett is the Executive Director of the University of Texas at Austin's Texas Innovation Center and the Director of Technology Innovation Development in the Office of Technology Commercialization. She brings her expertise in innovation and entrepreneurship to foster and enable the commercialization of university-based discoveries and young startup companies to succeed.

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