

Dr. Lynford L. Goddard received the B.S. degree (with distinction) in math and physics, the M.S. degree in electrical engineering, and the Ph.D. degree in physics from Stanford University, in 1998, 2003, and 2005, respectively. His doctoral research focused on characterization and modeling of 1.5-micron gallium indium nitride arsenide antimonide lasers on gallium arsenide substrates for long haul telecommunications applications. At Lawrence Livermore National Lab, he conducted post-doctoral research on photonic integrated circuits, sensors, and data processing systems.



Dr. Goddard joined the University of Illinois at Urbana-Champaign as an Assistant Professor of Electrical and Computer Engineering in 2007, was promoted to Associate Professor in 2013, and then to Full Professor in 2017. He became the Founding Director of the Institute for Inclusion, Diversity, Equity, and Access in the Grainger College of Engineering in 2019. His research group focuses on fabricating, characterizing, and modeling photonic sensors, integrated circuits, and instrumentation, as well as developing new processing techniques and testing novel semiconductor materials and devices. Applications include quantitative phase microscopy and computational electromagnetics for nanoscale science and semiconductor wafer metrology, hydrogen detection for fuel cells, carbon dioxide detection for reducing post-harvest food loss, and integrated microring Bragg reflectors for narrow linewidth lasers and next generation energy efficient computing architectures.

Dr. Goddard was an Associate Editor of the IEEE Photonics Journal from its inception in 2009 through 2014. He was also an Assistant Topical Editor for the Journal of the Optical Society of America B during the same time period. He is the recipient of a Presidential Early Career Award for Scientists and Engineers (PECASE); the nomination was by the Department of Energy in 2008. He is also the recipient of the inaugural AAAS Early Career Award for Public Engagement with Science in 2011, the Ronald W. Pratt Faculty Outstanding Teaching Award in 2012, and the Larine Y. Cowan Make a Difference Award for Leadership in Diversity in 2016. He was named as a Fellow of the SPIE in 2019 and as a Fellow of OSA in 2020. Dr. Goddard has co-authored over 200 publications, has 10 issued patents, and has advised over 80 students in research.