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After obtaining a PhD degree from Brown University under the supervision of Professor Subra Suresh and post-doctoral stints at UCSB and MIT, Ramamurty held faculty positions at the Nanyang Technological University, Singapore and the Indian Institute of Science, Bangalore, India, before returning to NTU in 2018 where he currently holds a President's Chair Professor position. His research interests include deformation and fracture behavior of amorphous as well as crystalline alloys, additive manufacturing, and the development and application of the nanoindentation technique. He published 366 papers in peer reviewed international journals (with a current h-index of 81) and is an editor of *Acta Materialia* and *Scripta Materialia*. He is an elected Fellow of both the National Academies of Engineering and Sciences of India, and TWAS-The World Academy of Sciences, and is a recipient of the Scopus Young Scientist and National Metallurgist Day awards, Shanti Swarup Bhatnagar and TWAS prizes (both in Engineering Sciences category), and Swarnajayanthi and JC Bose National Fellowships. He delivered the CNR Rao Prize Lecture in Advanced Materials of the Materials Research Society of India and the Lee Hsun Award Lecture of IMR, Chinese Academy of Sciences.