

STRESSWORKSHOP CONFERENCE:

SHORT BIO:

Professor Alam holds the Jai N. Gupta Distinguished Professorship at Purdue University, where his research focuses on the physics and technology of semiconductor devices operated in extreme environments. Previously, he worked at Bell Laboratories, Murray Hill, NJ, from 1995 to 2003, focusing on optoelectronic integrated circuits and transistor reliability. Since 2004, Dr. Alam has [authored over 400 papers](#) on the fundamental performance limits and reliability physics of transistors, biosensors, and solar cells. He is a fellow of IEEE, APS, and AAAS, and has received numerous awards, including the 2006 IEEE Kiyo Tomiyasu Medal, the 2015 SRC Technical Excellence Award, and the 2018 IEEE EDS Award. Dr. Alam's web-enabled courses have reached over [450,000 students globally](#), making significant contributions to semiconductor device education worldwide.