

# Vladimir Aksyuk



## Education

B.S. Physics - Moscow Institute of Physics and Technology, Russia

Ph.D. Physics - Rutgers University

Vladimir Aksyuk is a Project Leader in the Nanofabrication Research Group. He received a B.S. in Physics from Moscow Institute of Physics and Technology and a Ph.D. in Physics from Rutgers University. Following research as a Member of Technical Staff and then Technical Manager at Bell Labs, he joined the research staff at NIST. Vladimir's research focuses on the design and fabrication of novel optical MEMS and NEMS systems. He holds more than 50 patents, and has published over 60 papers. In 2000 he received the Bell Labs President's Gold Award, in 2005 was named among MIT Technology Review magazine's TR35, and in 2008 received a Distinguished Alumni award for Early Career Accomplishments from Rutgers Graduate School. In 2014 he was elected Fellow of the American Physical Society for contributions to the development of integrated photonic and mechanical microsystems, for pioneering work in using such systems to enable both telecommunications and novel nanoscale, high-throughput, measurement methods, and for contributions to the understanding of the Casimir force. He is interested in microfabricated systems tightly integrating optical and mechanical degrees of freedom at the nanoscale and is currently developing multiple projects in the use of photonic MEMS and NEMS to address fundamental problems in nanomanufacturing.