

Jayasimha Atulasimha, Ph.D.

Engineering Foundation Professor, Department of Mechanical and Nuclear Engineering at VCU College of Engineering

Richmond, VA, US

Professor Atulasimha researches nanomagnetic/spintronic memory and neuromorphic computing devices.

Biography

Jayasimha Atulasimha is a Qimonda Professor of Mechanical and Nuclear Engineering with a courtesy appointment in Electrical and Computer Engineering at the Virginia Commonwealth University. He has authored or coauthored ~80 journal publications on magnetostrictive materials, magnetization dynamics, spintronics and nanomagnetic computing. His current research interests include nanomagnetism, spintronics, multiferroics, nanomagnetic memory and neuromorphic computing devices. He is a fellow of the ASME, an IEEE Senior Member and current chair for the TC on Spintronics, IEEE Nanotechnology Council.

Industry Expertise

Research, Education/Learning

Areas of Expertise

Spintronics and Nanomagnetism, Exploratory neuromorphic devices, Straintronics: Strian mediated electric field control of magnetism, Electric field (VCMA) control of skyrmions, Magnetic and multiferroic materials

Education

University of Maryland

Ph.D. Aerospace Engineering

University of Maryland

M.S. Aerospace Engineering

Indian Institute of Technology - Madras

B.S. Mechanical Engineering

Accomplishments

Fellow of ASME

American Society of Mechanical Engineers

Senior Member of IEEE
Institute of Electrical and Electronics Engineers

NSF CAREER Award
National Science Foundation

Presidential Research Incentive Program Award
Awarded by Virginia Commonwealth University

[Please click here to view the full profile.](#)

This profile was created by [Expertfile.](#)