

Varun Makhija

Assistant Professor at University of Mary Washington

Fredericksburg, VA, US

Varun Makhija's research focuses on the interaction of light with matter, and the ensuing motion of molecular atoms and electrons.

Biography

Varun Makhija earned a Ph.D. in Atomic, Molecular and Optical Physics in 2014 from Kansas State University. He was a postdoctoral fellow at the National Research Council of Canada in the lab of Dr. Albert Stolow from 2014 to 2018, and a visiting assistant professor of physics at Bowdoin College in 2019. His research focuses on fundamental aspects of the interaction of light with matter, and the ensuing motion of molecular atoms and electrons. These motions are extremely fast, require bursts of light that last for only a millionth of a billionth of a second to image. Dr. Makhija works with collaborators at the Stanford Linear Accelerator Center, University of Virginia, Purdue University, Kansas State University and the National Research Council of Canada where lasers that produce such bursts of light are available.

Areas of Expertise

Chemical Physics, Molecular and Optical Physics, Chemistry and Physics, Atomic, Molecular and Optical Physics

Education

Kansas State University

Ph.D. Atomic, Molecular and Optical Physics

Drew University

BS

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