

Stanford University School of Humanities and Sciences

Department of Applied Physics

James S. Harris

*James and Ellenor Chesebrough Professor of Engineering
Professor of Applied Physics by Courtesy
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Research areas:
Materials Science

[Directory Link](#)
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[Research Group Link](#)

Molecular Beam Epitaxy, Solid State Device Physics and Modeling. Dr. Harris researches molecular beam epitaxy of III-V compound semiconductor electronic and optoelectronic materials. He also creates new electronic devices utilizing heterojunctions, superlattices, and quantum wells, including three-dimensional electronic devices and circuits.