

Abbreviated Curriculum Vitae

Mark Douglas Havey

Education

- B. S. Engineering Physics, University of Maine, with distinction, 1973.
Ph. D. Physics, University of New Hampshire, 1977.

Professional Experience

- 1998-Present Eminent Scholar, Old Dominion University
1991-Present Professor, Department of Physics, Old Dominion University
1986-1991 Associate Professor, Department of Physics, Old Dominion University
1980-1986 Assistant Professor, Department of Physics, Old Dominion University
1979-1980 Research Scientist, University of New Hampshire
1978-1979 Research Associate, Massachusetts Institute of Technology
1977-1978 Research Associate, University of New Hampshire

Honors and Awards (Partial list)

- 2005 Phi Kappa Phi, Old Dominion Chapter
2004 Arken Scholar in Residence, Miami (Ohio) University
1998 Elected to Fellowship, American Physical Society
1998 Eminent Scholar, Old Dominion University
1992 Gene W. Hirschfeld Award, Teaching Excellence, Old Dominion University
1992 University Research Award, Old Dominion University
1973 Tau Beta Pi, National Engineering Honor Society, University of Maine
1973 Sigma Pi Sigma, National Physics Honor Society, University of Maine
1969 H.M.L. Griffin Prize, University of Maine

Professional Society Memberships

- American Physical Society
Optical Society of America
American Association for the Advancement of Science
Tau Beta Pi (National Engineering Honor Society)
Sigma Pi Sigma (National Physics Honor Society)
Phi Kappa Phi
The Planetary Society
The National Space Society

Recent Journal Publications

- M.D. Havey, C.I. Sukenik, D.V. Kupriyanov, and I.M. Sokolov, *Coherent backscattering of light from ultracold and optically dense ensembles*, Review Article, Laser Physics Letters 3, 223 (2006).
S. Balik, R. Olave, C.I. Sukenik, M.D. Havey, V.M. Datsyuk, I.M. Sokolov, and D.V. Kupriyanov *Alignment dynamics of slow light diffusion in ultracold atomic ^{85}Rb* , Phys. Rev. A 72, 051402(R), (2005) (Rapid Communication).
Mark D. Havey and Dmitry V. Kupriyanov, *Weak localization of light in ultracold atomic gases*, Comments on AMO Physics, Physica Scripta 72, C30 (2005).
S. Balik, P. Kulatunga, C.I. Sukenik, M.D. Havey, D.V. Kupriyanov, and I.M. Sokolov, *Strong-field coherent backscattering of light in ultracold atomic ^{85}Rb* , J. Mod. Opt. 52, 2269 (2005).
M. Shiddiq, C.E. Lucas, M.D. Havey, C.I. Sukenik, R.R. Jones, C.Y. Park, J.Y. Kim, D. Cho, *Direct comparison between loading of a far-off-resonance trap in continuous wave and pulsed modes*, J. Korean Phys. Soc. 47, 207 (2005).

- D.V. Kupriyanov, N.V. Larionov, I.M. Sokolov, and M.D. Havey, *Destructive interference in coherent backscattering of light by an ensemble of cold atoms*, Optics and Spectroscopy 99 (3), 362 (2005).
- D.V. Kupriyanov, I.M. Sokolov, and M.D. Havey, *Antilocalization in Coherent Backscattering of Light in a Multi-resonance Atomic System*, Optics Comm. 243, 165 (2004).
- Sieradzan, M.D. Havey, and M.S. Safronova, *Combined experimental and theoretical study of the $6p \ ^2P_j \rightarrow 8s \ ^2S_{1/2}$ relative transition matrix elements in atomic Cs*, Phys. Rev. A 69, 022502 (2004).
- D.V. Kupriyanov, I.M. Sokolov, N.V. Larionov, P. Kulatunga, C.I. Sukenik, and M.D. Havey, *Spectral dependence of backscattering of light from a narrow resonance atomicsystem*, Phys. Rev. A 69, 033801 (2004).
- D. V. Kupriyanov, I. M. Sokolov, M.V. Larionov, P. Kulatunga, C.I. Sukenik, S. Balik, and M. D. Havey, *Coherent Backscattering of Light: Application to weak localization in an ensemble of cold ^{85}Rb atoms*, Phys. Rev. A 67, 01384 (2003).
- P. Kulatunga, C.I. Sukenik, S. Balik, M.D. Havey, D.V. Kupriyanov, and I.M. Sokolov, *Measurement of correlated multiple light scattering in ultracold atomic ^{85}Rb* , Phys. Rev. A 68, 033816 (2003).

Recent Invited Talks

- 2006 M.D. Havey, *Population and polarization dynamics in ultra cold atomic ^{85}Rb* , Colloquium on the Physics of Quantum electronics, Snowbird, Utah.
- 2005 M.D. Havey, *Time-dependent light scattering in ultracold ^{85}Rb* , Colloquium on the Physics of Quantum Electronics, Snowbird, Utah.
- 2004 M.D. Havey, *Time-dependent multiple light scattering in ultracold atomic ^{85}Rb* , Workshop on Long-range Interactions and Mesoscopic Physics, Nice, France.
- 2004 M.D. Havey, *Interference and dephasing in weak localization of light*, Annual Meeting of The Southeastern Section, American Physical Society, Oak Ridge, Tennessee.