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Born: July 25, 1987—Washington D.C., USA
Nationality: American

Education

- 2012 **PhD in Physics** (anticipated)
Westfälische-Wilhelms Universität, Germany
ADVISOR: PROF. DR. S. O. DEMOKRITOV
- 2009 **BSc in Physics** (summa cum laude)
Universtiy of Alabama, U.S.A.

Academic Work

JOURNAL ARTICLES

- 2012 E. R. J. Edwards, Matthias Buchmeier, V. E. Demidov, and S. O. Demokritov, “Magnetostatic spin-wave modes of a tangentially magnetized disc”, *preprint*
- 2011 V. E. Demidov, S. Urazhdin, E. R. J. Edwards, and S. O. Demokritov, “Wide-range control of ferromagnetic resonance by spin Hall effect”, *Appl. Phys. Lett.* **99**: 172501 (2011)
- 2011 V. E. Demidov, S. Urazhdin, E. R. J. Edwards, M. D. Stiles, R. D. McMichael, and S. O. Demokritov, “Control of Magnetic Fluctuations by Spin Current”, *Phys. Rev. Lett.* **107**: 107204 (2011)
- 2010 T. Mewes, R.L. Stamps, H. Lee, E. Edwards, M. Bradford, C.K.A. Mewes, Z. Tadisina, S. Gupta, “Unidirectional magnetization relaxation in exchange-biased films”, *IEEE Magnetism Letters* **1**: 5550119 (2010)

TALKS

- 2011 Deutsche Physikalische Gesellschaft Frühjahrstagung, “Spin-wave spectrum of a YIG disc”
- 2008 American Physical Society March Meeting, “Non-local damping effects in Py-Cu-FeMn trilayers”

OTHER WORK

- 2009 Karyn Kupcinec Summer School for International Students
Weizmann Institute of Science. Rehovot, Israel.
ADVISOR: PROF. MOTY HEIBLUM
Report: “Superconducting contacts to a 2D electron gas in AlGaAs/GaAs heterostructures”
- 2008 National Science Foundation R.E.U.
Cornell Laboratory for Elementary Particle Physics. Ithaca, New York.
ADVISOR: PROF. GEORG HOFFSTAETTER
Report: “Time of Flight Identification of Ions in CESR and ERL Beam Pipes”
- 2007 National Science Foundation R.E.U.
Columbia University Department of Applied Physics. New York City, New York.

ADVISOR: PROF. WILLIAM BAILEY
Report: “Low relaxation rates in doped ultrathin iron films”

Grants, honors & awards

2008 Barry M. Goldwater Scholarship
2005 E. Scott Barr Scholarship in Physics

Languages

English (native speaker)
German (professional proficiency)

References

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