

Eric R. J. Edwards

Institut für Angewandte Physik
Corrensstraße 2-4
48149 Münster
Germany

email: eedwa_01@uni-muenster.de
URL: [Ins. f. Ang. Phy.](#)
T: +49 251 83-33550
F: +49 251 83-33513

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

Prof. Dr. Sergej Demokritov
Institut für Angewandte Physik
Correnstraße 2-4
48149 Münster
Germany
demokrit@uni-muenster.de
T: +49 251 83-33551
F: +49 251 83-33513

Dr. Tim Mewes
University of Alabama
Department of Physics & Astronomy
Box 870209
Tuscaloosa, AL 35487
U.S.A.
tmewes@ua.edu
T: +1 205-348-9187
F: +1 205-348-2346