

Curriculum Vitae

Mag. Anna Wonaschütz, PhD

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Occupations

10/2012 – present: University Assistant, Post-Doc

Faculty of Physics, University of Vienna, Aerosol Physics and Environmental Physics

08/2010 – 09/2012: Research Assistant

Department of Chemical and Environmental Engineering, University of Arizona

06/2007 – 08/2010: Research and Teaching Assistant

Department of Atmospheric Sciences, University of Arizona

01/2007 – 07/2007: Strategic Assistant to the Dean

Faculty of Physics, University of Vienna, Dean's Office

Education

07/2007 – 09/2012: PhD Atmospheric Sciences, Fulbright Scholar

University of Arizona, Tucson, AZ, USA

Department of Atmospheric Sciences

Dissertation: "Aerosol Physicochemical Properties in Relation to Meteorology: Case Studies in Urban, Marine, and Arid Settings", defended September 2012, Adviser: Prof. Armin Sorooshian

Committee Members: Prof. Eric Betterton, Prof. Xubin Zeng

Minor: Global Change Graduate Interdisciplinary Program, Advisers: Prof. Katie Hirschboeck and Prof. Julia Cole

10/1999 – 10/2006: Diploma Physics

University of Vienna, Vienna, Austria

Faculty of Physics, Aerosol Physics and Environmental Physics

Master's Thesis: "Separation of Black and Brown Carbon using the Integrating Sphere", Adviser: Prof. Regina Hitzemberger

09/2003 – 05/2004: Exchange Student

University of Washington

Seattle, Washington, USA, physics and music

09/2000 – 02/2006: Viola Performance

Konservatorium der Stadt Wien, Vienna, Austria

07/1999: High School Diploma, Stiftsgymnasium der Benediktiner, Admont, Austria

Grants and Distinctions

- **Mutual Educational Exchange (Fulbright-Hays) Grant**, Austrian-American Educational Commission (Fulbright Commission), 2007-2012
- **University of Vienna Instrument Grant**, for four Condensation Particle Counters and two Differential Mobility analyzers, 2015
- **Travel Grant** "International Communication", Österreichische Forschungsgemeinschaft, for participation at the American Association for Aerosol Research 32nd Annual Conference, 2013, in Portland, Oregon, USA
- **College of Science Graduate Student Award**, Department of Atmospheric Sciences, Category "Scholarship", 2012
- **1st Prize Poster Contest**, Global Change PhD Minor Program, 2011
- **Graduate Student Travel Grant**, Institute of the Environment, University of Arizona, 2010 and 2011, for participation at the American Geophysical Union Fall Meetings 2010 and 2011 in San Francisco, CA
- **"Best Presentation"**, Atmospheric and Interdisciplinary Research Student Conference, Department of Atmospheric Sciences, University of Arizona, 2011
- **Travel Grant**, Graduate and Professional Student Council, University of Arizona, for participation at the American Geophysical Union Fall Meeting 2011 in San Francisco, CA
- **Dissertation Improvement Grant**, Global Change PhD Minor Program, University of Arizona, 2011
- **Travel Grant**, Department of Atmospheric Sciences, University of Arizona, for participation at the European Geosciences Union General Assembly 2010 in Vienna, Austria
- **Scholarship** for the analysis of wood smoke samples, Vienna University of Technology, 2006

- **“Joint Studies“ Stipendium**, University of Vienna und University of Washington (Seattle, USA), for an academic year at the University of Washington, 2003

Invited lectures

- “Looking at aerosols one particle at a time”, Seminar, Department of Atmospheric Sciences, University of Arizona, Sep. 17, 2015, Tucson, Arizona, USA.
- “CCN studies in the urban background of Central Europe”, Seminar, Program in Atmospheres, Oceans and Climate, Massachusetts Institute of Technology, May 26, 2015, Boston, Massachusetts, USA.
- “Ultrafine particle concentrations and new particle formation in Vienna”, VERA-Seminar, Isotope Research and Nuclear Physics, Faculty of Physics, University of Vienna, Nov. 21, 2013, Vienna, Austria.
- “Ultrafine particle concentrations and new particle formation in an urban atmosphere”, Seminar, Department of Atmospheric Sciences, University of Arizona, Oct. 10, 2013, Tucson, Arizona, USA.
- “Aerosol Physicochemical Properties in Relation to Meteorology: Case Studies in Urban, Marine, and Arid Settings“, Seminar, Chemical Sciences Division, National Oceanic and Atmospheric Administration, 2012, Boulder, CO, USA, and Cooperative Institute for Research in the Atmosphere, Colorado State University, Feb. 17, 2012, Boulder, Colorado, USA.

Service

- Reviewer for Journal of Aerosol Science
- Reviewer for Atmospheric Chemistry and Physics
- Representative of mid-level academics to the Faculty of Physics
- Poster Judge EGU General Assembly 2015

Memberships

European Geosciences Union
American Geophysical Union
Chemisch-Physikalische Gesellschaft

Outreach

Media:

- "Physik in luftiger Höhe" - the aerosol roof laboratory, Uniview magazine (<http://medienportal.univie.ac.at/uniview/wissenschaft-gesellschaft/detailansicht/artikel/physik-in-luftiger-hoehe/>), Aug. 4, 2015

Presentations on atmospheric aerosols and on classical music to school children and retirees:

- "Aerosols and Human Health", Sacre Coeur High School, Vienna, Austria ("physics:science@school", Oct. 28., 2014)
- "An Introduction to the String Quartet", Dove Mountain, Marana, Arizona, USA ("Osher Lifelong Learning Institute", Mar 1, 2012)
- "Musical Gold in the Mornings", Tolson Elementary School (Feb 2, 2011) and Harrelson Elementary School (Jan 26, 2011), Tucson, Arizona, USA
- "What are Aerosols?", BASIS Tucson Middle School, Tucson, Arizona, USA (Feb, 10, 2010)

Teaching and Advising

University of Vienna:

- Co-advisor to 2 Master's and one PhD student
- "Experimental Methods of Physics", 1st-year students, 2013-current; classic physics experiments performed partly by the instructor, partly by the students
- "Aerosol laboratory", intermediate students, 2013-current (spring semesters); understanding and performing classic measurement methods of aerosol science
- "Environmental laboratory", intermediate students, 2014-current (spring semesters); partially independent experimentation in the context of ongoing research in aerosol science
- "Physics and Chemistry of Clouds" seminar for advanced students, 2015
- "Interdisciplinary project Environmental physics", familiarizing future teachers with the day-to-day work of a researcher, fall semester 2013

Others:

- Guest lecturer (4 classes) for "ATMO 569B: Air Pollution - Aerosols", University of Arizona, 2012
- Sectional Coach, Southern Arizona Symphony Orchestra, 2010- 2012

Other Activities

- Viola Principal, Southern Arizona Symphony Orchestra, 2008 – 2012
- Violist in several volunteer orchestras (Akademischer Orchesterverein in Wien, 2012-current, Wiener Akademische Philharmonie, occasional, Orchesterverein der Gesellschaft der Musikfreunde, occasional, Wiener Tonkunstvereinigung, 2006-2007)