

Anneke Martien Batenburg - Curriculum Vitae



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Keywords

Atmospheric chemist with experimental physics background, interest in sustainability issues and good communication and presentation skills.

Research Experience

05/2012-CURRENT	Researcher at the Institute for Marine and Atmospheric research Utrecht (IMAU), Utrecht University (UU) <i>Investigation of the global hydrogen cycle with isotope measurements</i>
02/2008-05/2012	PhD project at IMAU <i>Global scale observations of atmospheric molecular hydrogen and its stable isotopic composition</i> To study the atmospheric molecular hydrogen (H_2) cycle, the mixing ratio and stable isotopic composition (δD) of H_2 were measured in air samples collected around the world with a GC-IRMS system. Samples were collected from a network of background stations, from aircraft campaigns and from a tall measurement tower in a heavily populated region of the Netherlands. <i>Supervisor: Prof. dr. T. Röckmann, PhD defense: 10/09/2012</i>
09/2006-10/2007	MSc project at Max Planck Institute for Metals Research (now: Intelligent Systems) <i>Time domain and frequency domain Vibrational Sum Frequency Generation on biodegradable poly(L-lactic acid) films</i> The interface and bulk structure of films of a chiral polymer were studied with a "Vibrational Sum Frequency Generation" laser spectroscopy setup adapted for time-resolved measurements.
09/2004-07/2005	BSc project at IMAU <i>The influence of formaldehyde on the formation of sulfate in cloud droplets, studied with the IMAU cloud parcel model</i>

Education

02/2008-09/2012	PhD degree in Physics and Astronomy, UU
09/2005-10/2007	MSc degree in Physics and Astronomy, UU <i>Program 'Chemistry and Physics', organized by Debye Institute</i>
09/2001-01/2006	BSc degree in Physics and Astronomy, UU <i>Interrupted in 2003-2004 for membership of study association board, see 'Other activities'</i>
09/2001-08/2002	'Propedeuse' (first year of academic education) in Physics and Astronomy, UU <i>Cum laude (with honor)</i>
09/2001-08/2002	Propedeuse in Chemistry, UU <i>Cum laude (with honor)</i>

Teaching experience (part-time assistantships)

2008-2012	Teaching Assistant at bachelor's courses <i>Assisting with an introductory climate science course and physics practicals, ≈10% of PhD candidate appointment</i>
2005-2006	Manager of third-year course evaluations <i>Chairman and coordinator of a 'response group' of students that evaluated the quality of courses in the third year of the UU bachelor's program in physics, UU dept. of Physics and Astronomy</i>
2003-2005	Assistant for demonstration experiments <i>Preparing of demonstration experiments, and showing and explaining them to students during physics lectures, UU dept. of Physics and Astronomy</i>
2003-2006 (SPRING)	Teaching assistant at pre-exam courses for high school students <i>Assisting with intensive 3-day physics courses to prepare high school students for the national final exam, Stichting Studiebegeleiding Leiden</i>

Attended courses

2003-2012	First Aid and emergency procedures training <i>UU facilities management</i>
09/2009	NCAS Summer School in Atmospheric Measurement <i>Isle of Arran, UK</i>
SPRING 2009	Writing in English for Scientists <i>James Boswell Institute, UU</i>
07/2008	Zukunftscolleg Summer School 'Observing and Understanding Earth' <i>University of Konstanz, Germany</i>
2006-2007	German for Non-Native Speakers <i>Volkshochschule Stuttgart, level C1</i>
2005	ConsultancyChallenge <i>Study Association 'A-Eskwadraat'</i>

Awards and grants

2008	Zukunftscolleg Summer School 2008 Student Poster Award <i>Second prize, €100,-</i>
2006	Leonardo grant <i>UU grant for students doing internships abroad, €1080,-</i>
2003	Grant for A-Eskwadraat board members <i>UU grant for students that do volunteer work for study associations, ≈ €3000,-</i>
2001	VNCI (Association for the Dutch Chemical Industry) prize for high grade (10/10) at national high school chemistry exam <i>Awarded on the condition that I would study Chemistry at a Dutch university for at least one year. €900,-</i>

Other activities

2010–CURRENT	Webmaster Benelux Association for Stable Isotope Scientists (BASIS) <i>Maintenance of website www.basis-online.eu</i>
10/2007–02/2008	Temp job at 'Het Vierde Huis' <i>Taking surveys among social housing inhabitants, Utrecht</i>
2003–2004	Board member of Study Association 'A–Eskwadraat' <i>Function: Head of Study Books, logistics and administration of the distribution of study books to A–Eskwadraat members</i>
2001–2005	Member of several A–Eskwadraat committees <i>Among others: Freshman Committee 2001, Year-book Committee 2002, Study Trip Committee 2005 (Istanbul), World Year of Physics Committee 2005</i>
2002–2009	South South-Holland regional NJN (Dutch Youth Association for Field Biology) board member <i>Treasurer 2002–2009, chairman 2005–2009</i>
MISCELLANEOUS	Taekwondo, pilates, playing the recorder, walking, cycling, reading, going to the movies