

Curriculum Vitae – Anna Mia Stampe Lagergaard

Personal

Name & Address Anna Mia Stampe Lagergaard, Nivaagade 3, 2.th., 2200 Copenhagen N - DENMARK
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Age 36, born June 12, 1970
Civil status Married to Jens. We have 2 girls Freja Viktoria, from spring 2004, and Clara Marie from the summer 2006.

Profile

Dedicated scientist with broad background in geophysical and chemical research. I have been engaged in theoretical analyses and models as well as practical glaciologic field- and laboratory work – generally in an international environment either in Denmark or abroad. Furthermore, I have a great interest in communication and public outreach in which I have extensive experience from basic school to academic levels. I am a thorough team person wherefore cooperation, project management and planning likewise make up my prime competences.

I consider myself as open-minded, social and very persistent in the good sense of the word, meaning that I always accomplish the goals that I have set up for myself. I am born curious and I have a trusting and cheerful attitude towards both my work and my surroundings. Humour is an important ingredient in my daily life. My colleagues would, I hope, describe me as a highly committed team player, and generally a direct, understanding and amiable person.

Competences

Scientific work in general

- Experience with many types of data from in-situ and laboratory measurements of ice to remote sensing of especially magnetospheric properties. My Master thesis concerned dating of the Hans Tausen Ice Core based on identification of volcanic acid layers. My Ph.D. thesis focused on the interaction between the geomagnetic field and the solar wind using readings from the Danish Ørsted (and other) satellites as well as ground based magnetic data.
- Use and development of various geophysical methods, practical as well as theoretical, including:
 - Practical work at drilling site, preparation of ice samples for chemical and physical analyses, in-situ measurements, handling of various mechanical and electrical equipment – always under the strict headline of quality control.
 - Clean-room laboratory experience, including Liquid Chromatography and particle measurements by Coulter technique.
 - Theoretical/mathematical analysis – obtaining new data, selection, preparation, modelling etc.
 - Interpretation of new results as well as summarizing existing knowledge.
- List of publications and presentations is available from my website <http://www.gfy.ku.dk/~ams/cv.html>. and is also attached this CV.

Fieldwork and summer/winter schools

- Theoretical and practical glaciological field courses in Sweden and Finland.
 - Two times participated in ice cores drilling campaigns in Greenland (Pearyland and NorthGRIP).
- Various winter/summer schools in France, Italy, Austria and Colorado comprising subjects as: "Physical and Mathematical Tools in Climate Dynamics," "European Ice Sheet Modelling Initiative," "Space Weather" and "Geospace Environment Modelling."

Project Management

- I'm used to take the keeper's position in various small projects, professionally as well as off-work. A degree in Project Management is a good basis. Of larger projects (from very different areas) I could mention:
- Five times co-organizer of conferences as well as an annual summer school for high school students.
 - Coordinator of internal HR activities which contributed to a very successful fusion between the Danish Space Research Institute and research sections from the National Survey and Cadastre.
 - Organizer of major Copenhagen tourist event demanding fundraising, contact and agreements with diplomats, actors, artists, organizations etc.
- In general the field includes:*
- Development of concepts, visions and missions – strategy.
 - Administration, coordination, exposure and presentation.
 - Documentation, evaluation and follow-up on results.
- Tasks could be:*
- Planning of summer school theme, engaging teachers/speakers, contact to politicians and press.
 - Preparing budget, negotiation with sponsors and contractors.
 - Development of info material, contact to target and recipient groups and networks in general
 - Managing practical course of events.
 - Summarizing effects and results, compiling documentation and evaluation.

Communication and public outreach	<p>Considerable experience in communication of natural sciences at levels from basic school to university <i>Tasks could be:</i></p> <ul style="list-style-type: none"> • News research and creation of extensive thematic web sites for www.rummet.dk (Ministry of Science and Technology's popular science site about space research and technology). • Producing popular science web for the National Survey and Cadastre • Creating posters, brochures and other materials for "marketing"/exposure of scientific issues and events. • Organizer of scientific events (ex. "Kulturnat") • Teaching high school students at summer school in physics • Producing web-based teaching material in cooperation with high school teachers. • Popular science papers, talks and presentations at all professional levels. <p>Furthermore internal communication at the Danish National Space Center. <i>Tasks could be:</i></p> <ul style="list-style-type: none"> • Human Ressource: identity formation, storytelling – activities to facilitate the fusion between the Danish Space Research Institute and research sections from the National Survey and Cadastre – strategy development. • Organizer of various staff meetings, conferences and events.
Web	<ul style="list-style-type: none"> • Design and develop web sites for societies and institutes such as for example the Glaciology Group, the Planet Centre, Kopernikursus under the Faculty of Natural Sciences at the University of Copenhagen. • Co-worker (structure, graphics, editorial content) of www.rummet.dk.
IT qualifications	<ul style="list-style-type: none"> • Experienced user of Microsoft Office and equivalent programs as well as Latex. • Various graphical programs (photo, drawing etc.). • Web design, HTML, some JavaScript etc. • Programming – primarily MatLab. • Various software for technical instruments
Language	<ul style="list-style-type: none"> • English– academic/negotiation level. • German – oral and written conversation level • French – oral and written conversation level

Employment

Jun. 2006 – Apr. 2007 Dec. 2001 – Oct. 2005	<p>Maternity leave. Ph.d. student (incl. maternity leave); Danish National Space Center, Copenhagen. <i>Fields of responsibility:</i> (Beyond my own research project which included 6 months work at High Altitude Observatory in Boulder, Colorado) planning, executing and evaluating meetings and conferences, preparing written and web based information material, internal corporate communication and HR tasks in connection with company fusion.</p>
Mar. 2000 – Nov. 2001	<p>Research assistant; Danish National Space Center, Copenhagen. <i>Fields of responsibility:</i> Magnetospheric research, internal and external communication/public outreach.</p>
Sep. 1999 – Feb. 2000	<p>Communication- and web assistant; Danish National Space Center, Copenhagen. <i>Fields of responsibility:</i> Preparing popular science themes (GPS and telecommunication) for the website www.rummet.dk, contributing to news updates and public relation materials.</p>
Nov. 1998 – Dec. 1998	<p>Research assistant; National Survey and Cadastre, Copenhagen. <i>Fields of responsibility:</i> Data analysis within geodetic remote sensing.</p>
Mar. 1998 – Oct. 1998	<p>Communication- and web assistant; National Survey and Cadastre, Copenhagen. <i>Fields of responsibility:</i> Developing English research and popular science web as well as database.</p>
Jun. 1997 – Dec. 1997	<p>Research assistant; Dep. of Geophysics, University of Copenhagen. <i>Fields of responsibility:</i> Develop website (structure, graphics, and editorial content) for the Glaciology Group. Creating posters and attending public outreach tasks.</p>
1980 – 1997	<p>Various holiday- and leasure time jobs.</p>

Education – baseline

Dec. 2001 – Jan. 2006	Ph.d.; dissertation in magnetospheric physics, Danish National Space Center and University of Copenhagen.
Sep. 1994 – May 1997	Cand.scient. geophysics; master thesis in ice core research, University of Copenhagen.
Sep. 1990 – Jun. 1994	Bachelor, physics and chemistry; University of Southern Denmark, Odense.
Sep. 1989 – Mar. 1990	Diploma in French language; Ecole France Langue, Paris.
Aug. 1986 – Jun. 1989	"Studentereksamen;" Odense Katedralskole.

Additional education, courses, etc.

Apr. 2007 – Apr. 2007	Journalistic communication – Magisterforeningen.
Apr. 2006 – May 2006	Human Resource Management , BSc management and administration, Copenhagen Business School.
Sep. 2004 – Dec. 2004	Academic Writing ; Magisterforeningen.
Aug. 1999 – Dec. 1999	Project Management ; Graduate Diploma in Business Administration, Storstrøms Business School.

References and Publications

References and diplomas can be forwarded upon request or brought along in connection with an interview.

- Eigil Friis-Christensen, director, Danish National Space Center, efc@spacecenter.dk, tlf: 3532 5707 (Research, organization)
- Nils Olsen, senior scientist, Danish National Space Center, nio@spacecenter.dk, tlf: 3532 0606 (Research, public outreach)
- Anja C. Andersen, ass. professor, Niels Bohr Institute, anja@astro.ku.dk, tlf: 3532 5892 (Communication)
- Jan W. Thomsen, ass. professor, Niels Bohr Institute, jwt@fys.ku.dk, tlf: 3532 0463 (Project Management)
- Lagergaard, A.M.S.: "Electric Currents in the Polar Magnetosphere," Ph.D. dissertation, Copenhagen October 2005
- Vennerstrom, S., T. Moretto, N. Olsen, E. Friis-Christensen, A.M. Stampe, J.F. Watermann: "Field-aligned currents in the dayside cusp and polar cap region during northward IMF," JGR, 2002, vol 107, Iss A8, art. no. 1188.
- Olsen, N., and A.M. Stampe: "Ørsted og Jordens magnetfelt - satellitten der ser til Jordens kerne," Geologisk Nyt No 3/2001 p4-6.
- Clausen, H.B., M. Stampe, C.U. Hammer, C.S. Hvidberg, D. Dahl-Jensen and J.P. Steffensen: "Glaciological and Chemical Studies on ice Cores from Hans Tausen Ice Cap, Greenland," Geoscience, Meddelelser Om Grønland, 2000, 39, 123-151.
- Steffensen, J.P., M-L.S. Andersen, M. Stampe and H.B. Clausen: "Microparticles, soil Derived Chemical Components and sea salt in the Hans Tausen Ice Cap ice Core from Peary Land, North Greenland," Geoscience, Meddelelser Om Grønland, 2000, 39, 151-161.
- Stampe, A.M. "Greenland," part of Encyclopedia of Global Environmental Change, edited by Ted Munn, John Wiley & Sons, 2000, Chichester.
- Olsen, N. et al.: "Ørsted Initial Field Model," 2000, GRL, vol. 27. no. 22.
- Stampe, A.M.: "Hans Tausen Iskerne boreprojektet - specielt om datering," KVANT No. 3/1998.
- Stampe, A.M.: "Vulkanske Vidnesbyrd i Iskerne fra Hans Tausen" (master thesis, abstract in english available), 1997 København.

Posters and Presentations

- Lagergaard, A.M.S.: "Electric Currents in the Polar Magnetosphere," Ph.D. defence, Copenhagen October 2005.
- Lagergaard, A.M.S., S. Vennerstrøm and E. Friis-Christensen: "Observed and simulated field-aligned currents during northward IMF," talk at the EGS Spring Meeting, 2005, Vienna, Austria.
- Stampe, A.M., E. Friis-Christensen, S. Vennerstrøm and N. Olsen: "Field-Aligned Current Patterns in the Polar Cap Region During Northward IMF Derived by AMIE," poster at the EGS Spring Meeting, 2003, Nice, France.
- Stampe, A.M., E. Friis-Christensen, S. Vennerstrøm and N. Olsen: "Current Systems in the Polar Region During Quiet Geomagnetic Conditions - Multi-Satellite Observations," poster at the 4th OIST Meeting, 2002, Potsdam, Germany.
- Stampe, A.M., E. Friis-Christensen, N. Olsen and S. Vennerstrøm: "Night-side current systems in the polar region during quiet geomagnetic conditions," presentation and discussion at the virtual AGU Spring Meeting 2002.
- Stampe, A.M., G. Lu, A. Aksnes, S. Vennerstrøm, T. Moretto, E. Friis-Christensen: "Field Aligned Current Patterns Derived by AMIE - Satellite Data versus Ground Based Data," poster at the AGU Fall Meeting, 2002, San Francisco, USA.
- Stampe, A.M., S. Vennerstrøm and N. Olsen: "Contamination of Models by Ionospheric Polar cap currents - a Study in data Selection," poster and presentation at the 3rd OIST Meeting, 2000, Grasse, France.
- Stampe, A.M., S. Vennerstroem, N. Olsen, T. Moretto and E. Friis-Christensen: "Field-aligned currents associated with the auroral electrojets," poster at the AGU Fall Meeting, 2000, San Francisco, USA.
- Stampe, A.M.: "Vulkanske Vidnesbyrd i Iskerne fra Hans Tausen," specialekollokvium, København juni 1997. Poster same year and with same title at the IGS meeting, Oslo.

Additional

Voluntary work

I have always been an active member (often of the board) in various professional and cultural organizations, societies and committees. *Tasks could be:*

- Sports coach.
- Mentor for foreign students.
- Editor of newsletters and various websites.
- Member of the board in large co-op.

Personal interests

Family and friends, biking and marathon running, cultural events, Sherlock Holmes research.