

CV HANNE ANDERSEN

Born December 9th, 1964. Married to Carsten Sestoft

Private address: Uraniavej 16B, 1., 1878 Frederiksberg, Denmark

EDUCATION

- 1998 Ph.D. in philosophy of science from Roskilde University 1998
- 1992 M.Sc. in physics and comparative literature, University of Copenhagen 1992

POSITIONS

- 2015- Professor and Head of Department, Department of Science Education, University of Copenhagen (from May 1)
- 2012-2015 Professor (with special responsibilities as Centre Director), Centre for Science Studies, Dept. of Physics and Astronomy, Aarhus University
- 2009-2011 Head of Department, Department of Science Studies, Aarhus University
- 2005-2009 Associate Professor, Department of Science Studies, Aarhus University
- 1998-2005 Assistant and Associate Professor, Dept. for Medical Philosophy and Clinical Theory, University of Copenhagen, 1998-2002 (Assistant); 2002-2005 (Associate)
- 1997-1998 Assistant Professor, Dept. of Mathematics, Physics, Chemistry and Informatics, The Royal Danish School of Educational Studies
- 1994-1997 Ph.D. fellowship, Danish Science Research Council
- 1994 Research fellowship, The Carlsberg Foundation (3 months)
- 1992-1994 Curator, The Danish National Museum for the History of Science and Medicine (Steno Museet)

ACADEMIC MANAGEMENT

Current research management:

- 2012-2015 Centre Director
- 2013- Steering committee & PI, Danish Research Network for Philosophy of Science

Currently member of:

- 2015- Elected Member-at-Large, AAAS, Section L
- 2015- Organizing Committee, Society for the Philosophy of Science in Practice
- 2014- International advisory board for the Oulu Centre for Theoretical and Philosophical Studies of History, Finland
- 2002- Danish National Committee of the International Union of History and Philosophy of Science

Previously member of:

- 2012-2013 Electorate Nominating Committee, PSA
- 2011-2014 Electorate Nominating Committee, AAAS, Section L
- 2011-2013 Steering Committee of the European Philosophy of Science Association
- 2010 Committee on philosophy of science at Aarhus University (Studium Generale udvalget)
- 2003-2009 Governing board of the Danish Research School for Philosophy, History of Ideas and History of Science (PHIS)
- 2006-2009 Deputy head of department
- 2008-2009 Chair of the Aarhus Graduate School of Science Field Committee for History of Science and Science Education
- 2005-2008 Consultative Board of PhD-studies, Faculty of Science, University of Aarhus
- 2002-2005 Educational Board of Public Health, University of Copenhagen. Chair of the graduate committee and as such responsible for the development of the Master's programme
- 2002-2005 Board of the Niels Bohr Archive
- 2001-2005 Governing board of the Danish Society for Medical Philosophy, Ethics and Methodology
- 2001-2002 National working group on physics and chemistry education (Arbejdsgruppen for Fysik og

	Kemi)
1995-2002	Governing board for the Southscandinavian Consortium for Science Studies
1990-1991	Danish National Board of Science (FLUNA, Naturvidenskabelig Uddannelsesråd)
1988-1989	Educational Board of Physics, University of Copenhagen
1984-1986	Science Faculty Council, University of Copenhagen

INTERNATIONAL RESEARCH COLLABORATION

2008-2012	Co-team leader together with Marcel Weber (team leader) of Team B: "The Natural and Life Sciences" in the ESF Research Network "Philosophy of Science in a European Perspective"
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SCHOLARSHIPS AND GRANTS

2014	The Carlsberg Foundation. Grant in support of the conference SPSP2015. DKK 52.000.
2013	The Danish Council for Independent Research Humanities. Grant for the project "Danish Research Network for Philosophy of Science". DKK. 1.007.542.
2013	Aarhus University Research Foundation. Grant for inviting Visiting Professor Theodore Arabatzis. DKK. 123.400
2011	Aarhus University Research Foundation. Grant for inviting Visiting Professor Douglas Allchin. DKK. 219.844
2009	The Danish Council for Independent Research Humanities. Grant for the project "Philosophy of Contemporary Science in Practice". DKK. 4.883.487
2008	Center for Philosophy of Science, University of Pittsburgh, Visiting fellowship. \$5600
2000	Danish Research Academy. Summer school "Disease, Genes, Reduction". DKK. 125.443
1999	Danish Humanities Research Council. Research Assistant for the project "Conceptual structures, conceptual change, and early subdiscipline development". DKK. 211.016
1998	Danish Humanities Research Council. Symposium on the History and Philosophy of Science and Science Teaching 25/9-98. DKK. 18.000
1994	Stiftung für Bildung und Behindertenförderung. Research visit at Center for the Study of Science in Society, Virginia Tech. DM 4500
1994-97	Danish Science Research Council. Fellowship. DKK. 672.492
1994	The Carlsberg Foundation. "Kuhn's philosophy of science in the light of cognitive psychology." DKK. 86.739

LONG-TERM RESEARCH VISITS

2014 (fall)	TU Berlin
2013 (april)	Dept. of Philosophy, Universität Konstanz
2008 (fall)	Center for Philosophy of Science, University of Pittsburgh
1996-1997	Dept. of Philosophy, Universität Kontanz
1996(spring)	Max-Planck-Institut für Wissenschaftsgeschichte, Berlin
1994-1995	Dept. of Philosophy, Universität Kontanz

EDITORIAL WORK

2014-	Editorial board member, <i>Journal for General Philosophy of Science</i>
2013-	Editorial board member, History and Philosophy of Technoscience
2006-2009	Editor-in-chief of <i>Centaurus</i> . International Journal of the History of Mathematics, Science and Technology
2003-2006	Editorial board member, <i>Bibliotek for Læger</i>
2005-	Editorial board member, <i>Filosofiske Studier</i>
2005	Editorial board member, <i>MONA: Matematik Og Naturfagsdidaktik</i> - Tidsskrift for undervisere, forskere og formidlere

MEMBERSHIP OF PROGRAM COMMITTEES FOR MAJOR INTERNATIONAL CONFERENCES

Past: EuroCogSci2011 (PC), EPSA 2011 (PC), SPSP2013 (PC), CLMPS2015 (PC), SPSP2015 (chair of LOC), SPSP2016 (PC).

SUPERVISED PHDS

Completed PhDs

- 2011-2014 Mads Paludan Goddixen: *Philosophical Perspectives on Interdisciplinary Science Education: Characterizing important expertises through a practice oriented analysis of integration and explanation*, Aarhus University. Degree obtained October 2014
- 2010-2014 Sara Green: *Systems Biology and the Quest for General Principles : A philosophical analysis of methodological strategies in systems biology*, Aarhus University. Degree obtained March 2014.
- 2010-2013 Susann Wagenknecht: *Collaboration in scientific practice. A social epistemology of research groups*, Aarhus University. Degree obtained March 2014.
- 2005-2007 Kristine Lynning: *Kampen om dannelsesbjerget. En analyse af debatter om naturvidenskabernes rolle i det danske gymnasium i forbindelse med skolereformerne i 1903 og 1958*, Aarhus University. Degree obtained 2007 (co-supervisor; main supervisor Henry Nielsen, AU)
- 2004-2007 Anne Paldam Folker: *Questions of expertise, the role of nutrition scientists as experts and advisers to the public*, KVL. Degree obtained 2007 (co-supervisor; main supervisor Peter Sandøe, KVL)

Enrolled PhDs

- 2014-2017 Line Edslev Andersen (co-supervisor, main supervisor Henrik Kragh Sørensen)

INTERNATIONAL CONFERENCE PRESENTATIONS

- 2015 The structure of science: From diachronic to a synchronic account, EPSA2015, September 23-26, Düsseldorf
- 2015 Joint commitments and the distribution of labour in research groups. CLMPS2015, Helsinki, August.
- 2015 RCR as applied social epistemology. Workshop on Teaching Philosophy of Science to Scientists, June 23, Aarhus.
- 2015 Authorship responsibility, SRPoiSE, March 27-28, Detroit.
- 2014 Philosophy of Interdisciplinarity: Mapping the Issues, PSA 2014, November 5-8, Chicago
- 2014 History of Interdisciplinarity, HSS 2014, November 5-8, Chicago (together with Terry Shinn and Ann Marcovich)
- 2014 Response and presentation, Symposium "Interdisciplinary Excellence", Copenhagen, September 9 2014. **Invited speaker**
- 2014 Workshop "Teaching the history and philosophy of science and technology in higher education: challenges and experiences at the undergraduate level", Paris, June 19-20 2014, **Invited speaker**
- 2014 Numbering ourselves, Conference "Numbers", Bergen, June 11-12 2014, **Invited speaker**
- 2014 Structure and Development of Contemporary Science, Conference GCTP2014, Amsterdam, May 26-28 2014, **Invited speaker**
- 2014 Investigating Entities' Lifelines, Workshop "Experimentation, Conceptual Change, and Scientific Realism, May 2-3, 2014, Athens. **Invited speaker.**
- 2013 Trust, dependence and expertise in contemporary science, Conference on Logic and Philosophy of Science (CLPS13), September 16-18 2013, Ghent. **Invited plenary.**

- 2013 Conceptual change across disciplines, ConChaMo 5: Conceptual Change Across Disciplines, June 3-5 2013, Porvoo, Finland. **Invited speaker.**
- 2013 Philosophy of science and scientific proficiency, First international conference of the German Society for Philosophy of Science (GWP2013), March 11-14 2013, Hannover
- 2012 What kind of expertise is needed in interdisciplinary research?, Workshop on "Interdisciplinary Success", October 4-5 2012, Lund. **Invited speaker.**
- 2012 Epistemic dependence and cooperative activity in interdisciplinary research, Conference on "Challenging Philosophy: Interdisciplinary problems and disciplinary philosophy", PIN Network, Tübingen September 21-23 2012. **Invited speaker.**
- 2012 A frame representation of distributed cognition in science, Conference "CTF'12: Concept Types and Frames", Düsseldorf August 22-24 2012. **Invited plenary.**
- 2012 Epistemic dependence in contemporary science, Conference on "Rethinking science after the Practice Turn", Nancy June 19-21 2012. **Invited speaker**
- 2011 Acting out of line: On Joint accept and unilateral rescission in scientific groups. EPSA 2011, Athens, October 5-8.
- 2011 Bridging Disciplines: Creation of Concepts in Interdisciplinary Groups. Conference "Bridging Disciplines: Evolution and Classification in Biology, Linguistics and the History of Science, Ulm, Germany, June 24-16. **Invited speaker**
- 2011 Concepts, Categories, and Experiments. Workshop "Practical Realism – Towards a Realistic Account of Science", Tartu, Estonia, June 15-17. **Invited speaker**
- 2010 Commentary on Michela Massimi: Natural Kinds and Conceptual Change, Workshop on "Points of Contact between the Philosophy of Physics and the Philosophy of Biology", European Science Foundation Research Networking Program "The Philosophy of Science in a European Perspective", LSE, December 13-15
- 2010 Making Better Scientists, talk in the opening plenary on "The Challenges and Opportunities of Interdisciplinary Teaching", HSS Annual Conference, Montreal, Nov 4-8
- 2010 The Second Essential Tension: Tradition and Innovation in Interdisciplinary Research, Workshop on "Philosophy of Interdisciplinarity: Metaphysical and Epistemological Aspects, Lund. Invited speaker. October 11-13. **Invited speaker**
- 2009 Concepts and the generation of knowledge in scientific groups, European Philosophy of Science Association, EPSA09, Amsterdam, October 21-24.
- 2009 Modelling Collective Belief in Science, 2nd International Conference of the Society for Philosophy of Science in Practice, Minneapolis, June 16-18.
- 2009 Concepts, Knowledge, and Groups. Workshop "Scientific Concepts and Investigative Practices", Berlin, May 22. **Invited speaker**
- 2007 History and Philosophy of Modern Epidemiology, Conference in Integrated History and Philosophy of Science, Pittsburgh, October 10-14
- 2007 Demarcating misconduct from misinterpretation and mistake, 1st International Conference of the Society for Philosophy of Science in Practice, August 23-25
- 2007 Experiments and Concepts, Workshop "Generating Experimental Knowledge", Wuppertal June 14-17. **Invited speaker.**
- 2004 Misrepresentation or Ignorance: The Case of "The Skeptical Environmentalist", Annual Meeting of the History of Science Society, Austin, November 18-21
- 2004 Ignorance or Misconduct? A lesson from "The Skeptical Environmentalist", Research Conference on Research Integrity, San Diego, November 12-14
- 2004 A Dynamic Account of Conceptual Structures, International Conference of Philosophy and Cognitive Sciences, Guangzhou, June 23-26. **Invited speaker.**
- 2001 Popperian Epidemiology, XVth European Conference on Philosophy of Medicine and

- Health Care, August 16-18.
- 2001 The development of family resemblance concepts, MBR-01 (Model-Based Reasoning, Scientific Discovery, Technological Innovation, Values), Pavia, May 17-19. **Invited speaker.**
- 2001 Taxonomy and Theory, Cognitive Studies Workshop, University of Virginia, March 24.-27. **Invited speaker.**
- 2000 Reference and Resemblance, PSA 2000, Vancouver, November 2-4.
- 1999 Comment of Harold Brown's "Incommensurability and Reality", International conference on incommensurability (and related matters), University of Hanover, June 13-16. **Invited speaker.**
- 1998 Nomic concepts, frames, and conceptual change (with N. Nersessian), PSA 1998, Kansas City, October 22-24
- 1998 Unexpected discoveries, graded structures, and the difference between acceptance and neglect, International Congress on Discovery and Creativity, Gent May 14-17
- 1996 Noddack Neglected - The 1934 Suggestion of Nuclear Fission, "Discovery of Elements", symposium dedicated to the memory of Walter Noddack and Ida Noddack-Tacke, Leuven, September 16-20

ACADEMIC ORGANIZATIONAL ACTIVITIES

- 2015 5th biennial conference of the Society for Philosophy of Science in Practice, June 24-26, Aarhus University (chair of the Local Organizing Committee)
- 2015 Second Annual Meeting of the Danish Research Network for Philosophy of Science, Nyborg, January 23-24, 2015 (in collaboration with Samuel Schindler and Peter Sandøe)
- 2014 First Annual Meeting of the Danish Research Network for Philosophy of Science, Odense, January 31-February 1, 2014 (in collaboration with Samuel Schindler and Peter Sandøe)
- 2012 "Empirical Philosophy of Science – Qualitative Methods", Sandbjerg, March 21-23, 2012 (in collaboration with Susann Wagenknecht)
- 2011 "Philosophy of Systems Biology", workshop of Team B: The Natural and Life Sciences, ESF Research Network Philosophy of Science in a European Perspective, August 18-20 (in collaboration with Marcel Weber and Gry Oftedal)
- 2011 "Philosophy of Interdisciplinarity", workshop arranged by the Philosophy of Contemporary Science in Practice project, August 16-18 (in collaboration with Susann Wagenknecht)
- 2007 6th Graduate Conference, The Danish Research School in Philosophy, History of Science and History of Ideas, December 2-4 (in collaboration with Henrik Kragh Sørensen, Maiken Lykke Lolck, Hans Henrik Hjermitsev, Laura Thomasen)
- 2006 Symposium "Qualitative methods in the health sciences", May 2006 (in collaboration with Lone Schmidt)
- 2006 Annual meeting in the Danish National Committee for the History and Philosophy of Science, January 2006 (in collaboration with Jan Faye)
- 2005 4th Graduate Conference, The Danish Research School in Philosophy, History of Science and History of Ideas, December 2005 (together with Peter Clemens Kjærgaard, Henrik Jøker Bjerre and Claus Festersen)
- 2004 3rd Graduate Conference, The Danish Research School in Philosophy, History of Science and History of Ideas, December 2004 (together with Peter Clemens Kjærgaard, Stig Andur Pedersen and Pelle Guldberg Hansen)
- 2003 Annual meeting in the Danish National Committee for the History and Philosophy of

- 2003 Science, December 2003 (in collaboration with Helge Kragh)
- 2003 2nd Graduate Conference, The Danish Research School in Philosophy, History of Ideas and History of Science, December 2003 (in collaboration with Stig Andur Pedersen and Peter Clemens Kjærgaard)
- 2003 Workshop "Cognitive Studies of Science", May 2003 (in collaboration with Stig Andur Pedersen & Thomas Söderqvist)
- 2002 Graduate Conference, The Danish Research School in Philosophy, History of Ideas and History of Science, December 2002 (in collaboration with Stig Andur Pedersen & Peter Clemens Kjærgaard)
- 2000 Summer school "Disease, Genes, Reduction", University of Copenhagen, September 2000
- 1998 Symposium "History and Philosophy of Science and Science Teaching", September 1998 (in collaboration with Thomas Söderqvist)
- 1996 Summer school "The Relation Between History of Science and Philosophy of Science", Southscandinavian Consortium for Science Studies, July 1996 (in collaboration with Thomas Söderqvist)
- 1995 Summer school "Reductionism - Antireductionism", University of Aarhus, July 1995 (in collaboration with Helge Kragh and Kurt Møller Pedersen)

PEER REVIEW

Peer review for the following journals and academic book publishers: Ashgate; Boston Studies in the Philosophy of Science; British Journal for Philosophy of Science; Cambridge University Press; Centaurus; Erkenntnis; European Journal for Philosophy of Science; History of Analytical Philosophy; International Studies in Philosophy of Science; Journal for General Philosophy of Science; Journal for Language, Logic and Information; Kennedy Institute of Ethics Journal; Philosophy and Theory of Biology; Philosophy of Science; Science & Education; Studies in History and Philosophy of Science; Synthese

RESEARCH ASSESSMENT

2009-2010 Member of the evaluation panel for the evaluation of basic research in philosophy and history of ideas in Norway, Research Council of Norway

Peer review for the following research councils: NSF, Faeroe Island Research Council, Ministero dell'Istruzione, Dell'Università e della Ricerca Italy, Norwegian Research Council, Netherlands Organisation for Scientific Research, Finish Academy, Research Foundation - Flanders

SELECTION COMMITTEES

Associate Professor in the Universal Theory of Science and Ethics of the Natural Sciences, Bergen University (2014); Associate Professor in Philosophy of Science, Bergen University (2013); Associate Professor in philosophy of science, Aarhus University (2011); Associate Professor in philosophy of medicine, University of Copenhagen (2011); Associate Professor in medical philosophy and clinical theory, University of Copenhagen (2004); Associate Professor in history of ideas, Aarhus University (2003)

PHD ASSESSMENT COMMITTEES

- 2015 Henrik Thorén: *The Hammer and the Nail. Interdisciplinarity and Problem Solving in Sustainability Science*. Lund University. Committee Member.
- 2014 Dania Ackermann: *Von der Deutschen Forschungsanstalt für Segelflug zum Institut für Physik der Atmosphäre. Wandel und Kontinuitäten institutioneller Identitäten*. Ludwig Maximilians University Munich. Co-chair of committee (Aarhus).

- 2014 Klara Benda: *Designing the Sakai Open Academic Environment: A Distributed Cognition Account of the Design of a Large Scale Software System*, Georgia Tech. Committee member.
- 2014 Veli-Pekka Parkkinen: *Understanding biological explanation and its practical relevance*, Oslo University. Committee member.
- 2013 Corinne Bloch: *Scientific Concepts and Definitions: Epistemic Roles and Referential Stability*, Tel Aviv University. Committee member.
- 2007 Hanne Møller Andersen: *Veje til motivation og læring. Et studie af elevers opfattelse af forskellige faktorerers betydning for motivation og læring i kemi- og biologi undervisningen på teknisk gymnasium*, Aarhus University. Chair of committee
- 2005 Henrik Knudsen: *Konsensus og Konflikt. Organiseringen af den tekniske forskning i Danmark 1900-1960*, Aarhus University. Chair of committee

EXHIBITIONS

- 1992 The Danish National Museum for the History of Science and Medicine: "Early experimental physics", "Cartography" and "Nuclear physics (all in collaboration with Keld Nielsen)