

Curriculum vitae and Teaching Portfolio for Anne Gerdes (maiden name Rasmussen) (last updated 2020)

Degrees

1998 PhD in Cognitive Science and Knowledge Representation, Aalborg University.

1993 MA in Humanistic Computer Science, minor in Humanistic Informatics (1987 –1993, including an additional research semester at Risø Center for Cognitive Science).

Diplomas

2019 Data Protection in Practice Course, Beech Bruun Academy.

2016 Data Protection Officer Course, Beech Bruun Academy.

2009 Research Management Course, CBS.

2003-2004 Head of Department Management Course, SDU.

Positions

2007 Associate Professor in Humanistic Information Science, Department of Design and Communication (former Institute of Business Communication and Information Science), SDU.

2006 Head of Department at Department of Mathematics and Computer Science, SDU.

2002 Director of It-vest at SDU, Institute of Business Communication and Information Science, SDU.

2001 Assistant Professor in Humanistic Information Science.

2000 Assistant Professor, Department of Communication and Psychology, Aalborg University.

1999 Freelance consultant.

1999 Human Resource Coordinator, RTX Telecom A/S.

1998 Assistant Lecturer, Humanistic Informatics and Humanistic Computer Science, Department of Communication, Aalborg University.

1994-1998 PhD student, Department of Communication, Aalborg University (including one year of maternity leave).

1993-1994 Assistant Lecturer, Humanistic Informatics and Humanistic Computer Science, Department of Communication, Aalborg University.

1991-1993 Instructor and Research Assistant, Humanistic Informatics and Humanistic Computer Science, Department of Communication (Now: Department of Communication and Psychology), Aalborg University.

During my professional career, I have had two maternal leaves of absence: May 1995 - April 1996; February 2000 – June 2000.

Visiting Research Fellow

2013 Computational Intelligence and Security Laboratory, Electronic Systems Department, Aalborg University.

1997 Berkeley International Computer Science Institute, University of California, Berkeley, USA

1992 Risø Research Center, Department for System Analysis, Center for Cognitive Science.

Commissions of Trust

2006-2008 Member of the ICT Council of the Ministry of Science Technology and Innovation

2006 Appointed to the working group on Future IT Degrees of the Ministry of Science.

2006 Member of the expert group on e-learning under UNEV - Universiteternes portal for efter- og videreuddannelse.

Memberships

2020 - member of the Evaluation Panel for the CHIST-ERA call 2019 – Explainable Machine Learning-based Artificial Intelligence (XAI)

2020 Member of the Conference Program Committee, SACAIR2020 – AI Transforming Humanity, 1.- 4. Dec., Muldersdrift, Gauteng Province, South Africa.

2020-Member of the Board of External Examiners for Learning.

2018-2021 Member of the Ethical Advisory Board for the Horizon2020 Project COPKIT

2013-2016 Member of the Ethical Advisory Board for the FP7 Project Athena

2014-2020 Member of the National Forum of Data Management.

2014-2017 Member of the eScience Steering Committee at SDU.

2013 Member of the Conference Program Committee FQAS – Flexible Query Answering Systems.

2013 Member of the Conference Program Committee ETHICOMP.

2014 Member of the Board of External Examiners for Math, Physics, and Social Science.

2011-2017 Member of the Editorial Board of the Journal of Cyber Ethics in Education (Now: International Journal of Ethics in Digital Research and Scholarship).

2011-2016 Member of the ETHICOMP Conference Steering Committee.

2015 Member of the Program Committee of the IFIP Summer School on Privacy and Identity Management.

2010-2011 Member of the Steering Committee of the ScandLE Research Network on Teaching Problem-Based Learning in Virtual Environments (Nordforsk Research Network).

2009-Member of the Editorial Advisory Board of the Journal of Information, Communication and Ethics in Society.

2003-2014 Member of the Danish IT-ethics Research Network.

2003-2007 Member of the Steering Committee of the FP6 European Research Team (ERT) on Conditions for productive networked learning environments.

2002-Member of the Board of External Examiners for Humanistic Informatics.

Awards

2011 Best Paper Award Prize at CACIC 2011: XVII Argentine Congress of Computer Science, CACIC 2011, La Plata, Argentina.

2016 Highly Commended Paper in the 2016 Emerald Literati Network Awards for Excellence.

Teaching Portfolio

Pedagogical Approach

My teaching is anchored in a narrative didactic perspective. From this vantage point, I aim to support students in becoming independent academic reasoners by offering high-quality, research-based teaching activities. It is my ambition to facilitate students in developing academic competencies and skills that are mastery-oriented rather than performance-oriented.

This implies attention to learning methods that enhance academic reflection and collaborative skill-building. Here, I draw on many years' experience in Problem-Based Learning (PBL) both as a teacher and as a student at Aalborg University. The downsides of a performance-oriented approach to university teaching have been demonstrated through the project Faglig Sammenhæng (1999), led by Arne Jakobsen, Center for Didaktik og Metodeudvikling. The project showed that 50% of engineering students pass exams without properly understanding the subjects in which they are examined. Evidence for this disturbing result came from a subsequent 'comprehension test', in which students failed to provide correct answers when asked in-depth questions about the assignments they had passed. In 1999, I participated, together with Arne Jakobsen, as external co-examiner in a similar test at Landbohøjskole of veterinarian students' learning, which reached the same conclusion, namely that the students did not understand what they were tested in, despite the fact that they had passed the given exam.

Based on these insights, I strive to create the space for learning processes that enhance opportunities for mastering and reflection. I strive to facilitate dialogue-based learning, which demands the students' engagement.

Creating the space for good teaching implies an appreciation of the value of informal forums. I continuously encourage the students to seek inspiration and knowledge from fellow students across educational and semester boundaries. In doing so, I invite students to present their master theses to inspire younger fellow students, raise awareness of other students' ongoing projects, BA projects or MA theses, research environments, study café activities, working lunches, courses in academic writing, and the services provided by the library.

I practice my pedagogical philosophy by:

- developing space for reflection during lectures through discussion, group work, the framing of theories via group activities, poster seminars, e-learning based activities, such as discussion board activities with role plays to ensure manifold voices and perspectives.
- developing on-line learning materials – podcasts, blogs, wikis.
- inviting business partners from private companies and public organizations to give lectures and advice on career opportunities. Such partners are also invited in as panelists to comment on student presentations.
- supervising BA, MA, MSc projects, and PhD students by giving thorough, constructive criticism and careful consideration of all material submitted.
- raising awareness of the relevance of The Global Sustainability Development Goals to our activities (students often point to the SDG's themselves).
- ensuring that course activities are given concrete relevance in real life settings (typically, my course in value-sensitive design highlights issues relating to IT ethics that are highly relevant, such as when the morning news mentions problems that precisely illustrate the lecture of the day).
- making cross-references to courses taught by colleagues at earlier or current semesters.
- demanding the dedication of the students.
- emphasizing the importance of adherence to codes of academic conduct.
- illustrating relations between course topics and IT career opportunities.
- prioritizing the interface between the needs of tech sectors and the students' skills and competencies. For example, in 2016, I was among the first to take a Data Protection Officer course. I participated to get research input on GDPR but also to improve my IT network and to gain insights into how public organizations and private companies regarded future jobs relating GDPR.
- engaging with the surrounding society, for example by:
 - arranging a Lego Mindstorm workshop (2005) in which Humanistic Information Science students taught programming to school children (Newspaper article in Fredericia Dagblad Hjernestorm i 4. Klasse November 22nd 2005)
 - co-organizing the IT Solution Camp (2008) in which Web communication students participated (see: Press Release: Studerende hjælper virksomheder på idélejr and newspaper article Studerende vred deres hjerner, Vejle Amts Folkeblad, March 12th 2008)

List of courses

I have taught at programs in:

- BA, MA, Humanistic Information Science (SDU, DDC).
- MSc IT Product Design (SDU, DDC).
- MSc Web communication (SDU, DDC).
- MSc in Data Science (The Faculty of Science, SDU, IMADA).
- BSc, MSc in Learning and Experience Technology (The technical Faculty, SDU).
- BSc in Informatics (Aalborg University, the Technical Faculty).
- BA, Humanistic Informatics (Aalborg University, The Faculty of Humanities).
- MA, Humanistic Computer Science (Aalborg University, The Faculty of Humanities).

Courses at University of Southern Denmark

Courses at department of Design and communication

PhD Supervision. I have supervised 2 PhD students, and been co-supervisor of 1.

BA-projekt Supervisor on over 30 BA projects (2002-2020).

Speciale Supervisor on 36 Master theses in Humanistic Information Science and Web communication, 2007-2020.

Specialeworkshop webkommunikation (DK/INT) (MSc, 12 lectures), shared with Stig Børsen Hansen and Nina Bonderup Dohn, 2012-

Projekt webkommunikation (MSc, 10 ECTS, 2. Sem.) I have supervised > 15 projects, 2012-2020.

Projekt webkommunikation, koordinator I have developed and coordinated the Projekt webkommunikation framework for didactic coordination of the group process (2013-2019).

Projekt E-læring (MA, 2. Sem webkommunikation) 2008-2011. I have supervised > 10 projects.

Projektorienteret Design (BA, 10 ECTS, Humanistic Information Science), 2008 (shared with Professor Klaus Robering).

Studiegruppe i kunstig intelligens (5 lektioner, BA, Humanistic Information Science), 2004 (shared with Nina Bonderup Dohn).

Viden erkendelse og IT (BA, 5 ECTS, Humanistic Information Science): 2014, 2015.

Handling, læring og IT (MA, 10 ECTS, Humanistic Information Science): 2013.

E-læring (MSc, 10 ECTS, Webcommunication), 2008-2010.

Webkommunikation og organisationer (MA, 10 ECTS, webcommunication), taught by Birgitte Norlyk, I contributed with 2 lectures, 2013-2015.

IT og teknologi (BA, 5 ECTS, Humanistic Information Science): 2008-13, 2017, 2018.

Værdibaseret design (MSc, 10 ECTS, Webcommunication): 2012-

Kvalitativ og kvantitativ metode (BA, 5 ECTS, Humanistic Information Science), 2007-2011.

Informationsvidenskabelig metode: Undersøgelsesdesign (BA, 5 ECTS, Humanistic Information Science), 2014.

Sprog og informationsanalyse (BA, 10 ECTS, Humanistic Information Science), 2002.

E-learning og Knowledge Management (MA, 10 ECTS, Web communication), 2003.

Videnskabsteori (BA, 5 ECTS, Humanistic Information Science), shared with colleagues, 2014-

Kognitiv psykologi og læring (BA, 10 ECTS, Humanistic Information Science), 2002.

IT og læring (BA, 10 ECTS, Humanistic Information Science), 2003- 2009.

English courses

Values and ethics (MSc, 5 ECTS, IT Product Design): 2015, 2016.

Artificial Intelligence and ethics (Optional Course, 5 ECTS): 2018.

Master Thesis Workshop (MSc Web communication, 12 lectures), shared with Stig Børsen, 2015-

Courses at the Technical Faculty - BSc Learning and Experience Technology

Udvikling af intelligente systemer til læring (10 ECTS), 2011-2014.

IT-etik (Optional Course, 5 ECTS) 2014.

Courses at the Science Faculty, Department of Mathematics and Computer Science – MSc Data Science

DS802 IT-sikkerhed, It-etik og privathed (5 ECTS), 2019-

Ethics by Design (5 ECTS), 2020 -

Courses at Aalborg University

Projektvejledning (15 ECTS, BA, cross disciplinary students from BA in Humanistic Informatics and BSc in Informatics), 2000, 2001.

Projektvejledning (15 ECTS, BA, Humanistic Informatics), 1998-2001.

Projektvejledning, TEK NAT, basisuddannelsen for Informatikstuderende (15, ECTS, BSc, Informatics), 2000.

BA-projekter.

Speciale-projekter.

Projektvejledning (15 ECTS, MA, Humanistic Informatics: Multi media), 1998-2000.

Vidensmodellering, EDB og organisationer (10 ECTS, BA, Humanistic Informatics), 2000.

Projektkoordinator responsible for cross disciplinary collaboration between the parties involved in the educations in Informatics and Humanistic Informatics, 2000-2001.

Sprog og Kommunikation (10 ECTS, BA, Humanistic Informatics), 1998.

Kunstig intelligens (10 ECTS, MA, Humanistic Computer Science), shared with Torben Braüner, 1998.

Prolog programming (10 ECTS, BA, Humanistic Informatics and Master distance learning), shared with Inge Lytje, 1992-1998.

Databaser (10 ECTS, BA, Humanistic Informatics), shared with Inger Lytje, 1992-1998.

In 2006, I have developed and given a Lecturer Training Course in Project supervision, together with Uffe Koch Wiil, at Department of Mathematics and Computer Science, SDU.

Assessment and exams

I have experience of a variety of exams in the field of humanities, engineering, and computer science, such as project exams, oral exams, portfolio exams, week assignments, sit-down exams. Moreover, I am a member of the Board of External Examiners for Math, Physics, and Social Science (since 2014), the Board of External Examiners for Humanistic Informatics (since 2002), and the Board of External Examiners for Learning (since 2020).

Educational development activities at university and faculty level

In 2006, I participated in the Ministry of Science's working group on IT Degrees of the Future. My contributions in this group led to my personal appointment by the Minister of Science, Helge Sander, to become a member of the ICT Council of the Ministry of Science Technology and Innovation (2006-2008).

I have taken the lead in the development of the following courses:

–the Humanistic Information Studies contribution to the MSc in Data Science (2019, SDU).

–the MSc in Big Data and Privacy (2015, SDU, approved by SDU, not approved by the Ministry).

–the Humanistic Information Studies contribution to the BSc, MSc in Learning and Experience Technology (2010, SDU).

–a program in Computer Science and Society to attract more female students to Computer Science (2006, IMADA, SDU).

I have been involved in the development of a BSc in Informatics (2000, Aalborg University), the Master in IT initiated by IInvest (2004), and a program in Computer Science and Society to attract more female students to Computer Science (2006,

IMADA, SDU)

I have been head of subject and deputy head of studies (2008-2013) and a member of the Study Board for Information and Communication Studies (2007-2017). Currently, I am a member of the Coordination Committee for the Data Science course at the Faculty of Science.

Curriculum development (department and discipline level)

I have been involved in the development and revision of the following educational programs at DDC:

MSc in Web communication (2007)

Ba in Humanistic Information Science. Revised study regulation 2007.

BA in Humanistic Information Science. New study regulation in 2005.

Ma in Humanistic information Science. New program, start 2005.

In the below mentioned programs, I have developed the following courses:

BA in Humanistic Information Science

Informationsvidenskabelig metode: Undersøgelsesdesign.

Kvalitative og kvantitative metoder.

It og læring.

Etik og teknologi.

MSc in Web communication

Værdibaseret design.

Speciale-workshop (in collaboration with Nina Bonderup Dohn and Stig Børsen Hansen)

Projekt webkommunikation – pædagogisk koordinering.

Artificial intelligence and Ethics (optional course).

MSc in It Product Design

Values and ethics.

MSc in Data Science

IT-sikkerhed, It-etik og privathed (together with Peter Schneider-Kamp, IMADA).

Ethics by Design.

MSc in Learning and Experience Technology

Udvikling af intelligente systemer til læring.

Teaching and curriculum development materials

I have been a member of the Editorial Board of the international journal of Cyber Ethics in Education (Now: International Journal of Ethics in Digital Research and Scholarship), (2011-2017).

I have contributed with my research in the field of e-learning in higher education with the following articles:

Rasmussen, A. (2004). Productive learning processes and standardization. CSCL SIG First Symposium, October 7th- 9th 2004, Lausanne, Switzerland.

Rasmussen, A. (2006). Interaction in Virtual Learning Environments (VLEs) – an ethical perspective. S. Banks, V. Hodgson, C. Jones, B. Kemp, D. McConnell, and C. Smith (eds.) Proceedings of the Fifth International Conference on Networked Learning 2006, April 10th -12th; Lancaster.

Gerdes, A. (2008). Similarity based and knowledge creating metaphors: a didactic framework for informing design. V. Hodgson, C. Jones, T. Kargidis, D. McConnell, S. Retalis, D. Stamatis and M. Zenios (eds.), Proceedings of the Sixth International Conference on Networked Learning 2008: Networked Learning, AAAI Press.

Gerdes, A. (2010). Revealing preconditions for trustful collaboration in CSCL. International Journal of Computer-Supported Collaborative Learning.

Gerdes, A., Motzfeldt, H. M., Hansen, K. K., Remvig, K., & Hall-Andersen, M. (2017). Anbefalinger til udvikling af et Blended Learning-forløb: Kursus i Data Management for Ph.d.-studerende - baseret på læringsmål for Humaniora og Sundhedsvidenskab. DeiC.

Formal pedagogical training

2012 Lego Serious Play. Mikroværkstedet, Odense.

2010: PhD supervisor Course (SDU).

2000: University Teacher Training Program (The Humanities, Aalborg University).

1998: DTU Didactics course for PhD students and Assistant Professors by Arne Jakobsen.