Curriculum Vitæ

Anders Andersen

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Personalia

Født 17. november 1967, Vadsø

Nasjonalitet Norsk

Språk Norsk og engelsk

Sivilstand Samboer med Merete Saus

Barn Brynjar, født 7. mars 1996 / Ingeborg, født 10. februar 2007

Utdannelse Dr. Scient., Mai 2002 / Sivilingeniør, Desember 1991

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Nåværende hovedaktivitet

Førsteamanuensis Førsteamanuensis ved *Institutt for Informatikk, UiT Norges Arktiske Universitet*, fra 1. november 1999.

Forskningsleder Forskningsleder ved Invenia AS, fra 2010 (deltid).

Utdanning

Innovation managment BLU3713/BLU3714, BI Handelshøyskolen, 2014.

Forskningslederprogrammet FLP8, Universitetet i Oslo, 2014.

Dr. Scient. Doktorgradsstudent ved Univeristetet i Tromsø, 1995–2002.

Sivilingeiør Sivilingeniørstudiet i datafag ved Universitetet i Tromsø, 1987–1991.

Yrkeserfaring

Undervisning Midlertidig engasjert på timebasis for gjennomføring av kurs ved Uiversitetet i Nordland, våren 2010 (Bodø), høsten 2011 (Brønnøysund), våren 2012 (Bodø).

Forskningsleder Forskningsleder ved Invenia iLab AS, fra 2009 til 2010 (deltid).

Forskningsleder Forskningsleder ved Invenia AS, fra 2006 til 2009 (deltid).

Gjesteforsker Gjesteforsker ved School of Computing and Communications, Lancaster University, UK, fra august 2010 til juli 2011.

Forsker Deltidsforsker ved Northern Research Institute Tromsø AS (NORUT), fra juli 2010 til mai 2011.

Gjesteforsker Gjesteforsker ved Department of computer Science and Engineering, University of California, San Diego (UCSD) , fra august 2005 til juli 2006.

Partner Partner i *Invenia Innovation AS*, fra 23. mars 2000 til 30. desember 2008.

Undervisning Midlertidig engasjert på timebasis for gjennomføring av kurs ved Høgskolen i Hedmark, våren 2002, høsten 2002 og våren 2003.

Forsker Deltidstilling som forsker ved *NORUT Informasjonsteknologi as* 1999–2002.

Forsker/Doktorgradsstudent Forsker/Doktorgradsstudent ved *NORUT Informasjonsteknologi AS* og *Universitetet i Tromsø* fra februar 1995 til november 1999.

Gjesteforsker Gjesteforsker ved Distributed Multimedia Systems Research Group, Computing Department, Lancaster University, fra februar 1998 til februar 1999.

Amanuensis Amanuensis i kvalifiseringsstilling ved Seksjon for Informatikk på Høgskolen i Hedmark (Hedmark Distriktshøgskole) fra august 1993 til februar 1995.

Ansvarlig deltaker Ansvarlig deltaker i TromsTech DA, 1993–1995.

Utvalgte prosjekter

PEARL This project aims to establish an European Training Network on PErsonalised information Access and RetrievaL (PEARL). Typical applications are for example personalized search and recommendation; publishing, broadcasting and advertising; e-learning; decision making. ITN application submitted Horizon 2020.

Snow SMSC The focus of the project is Secure Multi-party Statistical Computations in health environments. Medical research using health data is difficult because of the legal, security and privacy issues involved. Snow SMSC wants to demonstrate that secure multi-party statistical processing of health data can be implemented solving these issues.

NFC city The project's objective is to promote the development and use of services for information exchange, access, ticketing and payment through new applications of mobile and near-field communication (NFC) technologies. 2010-2014.

CSI Cloud Security Infrastructure (CSI) is an EUREKA Eurostars funded research project initiated by Invenia AS, and with the partners Sirrix AG (Germany) and Encap AS (Norway). 2013–2015.

Ensafer Ensafer enables users to securely store documents on the Ensafer storage server and to share these documents with other users providing strong information privacy. 2006– (at Invenia AS and Invenia iLab AS).

QuA The QuA project investigated how to develop complex real-time applications on a component architecture platform and learned through experimentation how dynamic QoS management and adaptation can be supported in general-purpose component architectures, 2002–2007.

Penne A distributed, secure, and highly resilient distributed storage systems based on modern cryptographic technology, 2004–2008.

6Net 6NET was a three-year European project to demonstrate that continued growth of the Internet can be met using new IPv6 technology, 2001–2005.

QoS Beans Forvaltning av tjenestekvalitet i Arctic Beans, Simula Research Lab, 2002.

Arctic Beans En tilpasningsdyktig applikasjonstjener og komponentmodell, Institutt for Informatikk, Universitetet i Tromsø, fra januar 2001.

OOPP *Reflective Middleware and Quality of Service Management*, Dr. scient. prosjekt, NORUT IT/Universitetet i Tromsø, 1995–1999. Veileder Frank Eliassen.

OpenORB *An Open ORB Architecture*, Distributed Multimedia Systems research group, Computing Department, Lancaster University, 1997–2001.

CORBAng *Next Generation CORBA*, Lancaster University, UNIK, University of Tromsø and University of Oslo, 1998.

ATOM *A concurrent object oriented programming model*, Distributed Multimedia Systems research group, Computing Department, Lancaster University, 1997.

Utvalgte tillitsverv

UiT The Arcic University of Norway Member of selection committee for an Post. Doc. position at Department of Computer Science, March 2015.

UiT The Arcic University of Norway Leader of PhD committee for Naoe Tatara 2014.

Department of Computer Science, University of Tromsø Member of board 2009–.

Troms Orieneteringskrets Member of board 2010–2012.

University of Tromsø Member of program board for teacher training in scientific subjects 2007-2010.

Department of Computer Science, University of Tromsø ODS research group leader 2006–2010.

Norwegian research council Expert reviewer research project (RFF) 2010.

Department of Computer Science, University of Tromsø Deputy leader 2009-2010.

Tromsø chess club youth Leader 2007–2010.

University of Tromsø, Faculty of Science and Technology Member of strategy committee for research and development 2009.

University of Tromsø, Faculty of Science and Technology Member of strategy committee for education 2009.

University of Tromsø Member of program board for telemedicine and e-health studies 2007–2009.

University of Tromsø, Faculty of Science and Technology Member of faculty research education board 2006–2009.

University of Tromsø, Faculty of Science and Technology Member of program board for master studies in technology 2006–2009.

University of Tromsø, Faculty of Science and Technology Member of faculty education board 2006–2009.

University of Tromsø Leader of PhD committee for Lars A Bongo 2008.

Invenia Innovation AS Member of board 2000-2008.

BUL Tromsø orientering Leader network/communication Norwegian national championship orienteering 2007.

NOKUT Leader of committee evaluating 2 new master studies at "Høgskolen i Gjøvik" 2004.

University of Oslo Member of PhD committee Ole-Christoffer Granmo 2004.

University of Tromsø Leader of admission committee civil engineering study 2002.

Invenia Innovation AS Medlem av styret fra stiftelsen mars 2000.

Norrøna Barnehage AS Medlem av styret fra våren 1999.

CandiData Medlem i styret i CandiData fra våren 1995. Leder fra våren 1998 til våren 2000.

Utvalgte publikasjoner

Doktorgradsavhandling Anders Andersen, *OOPP, A Reflective Middleware Platform including Quality of Service Management*, Institutt for Informatikk, Universitetet i Tromsø, Februar 2002 (forsvart mai 2002).

Diplomoppgave Anders Andersen, *En distribuert værapplikasjon for flyplasser – med vektlegging på innsamling av værdata*, Seksjon for Datafag, Universitetet i Tromsø, Desember 1991.

Munch-Ellingsen, Arne; Karlsen, Richard; Andersen, Anders; Akselsen, Sigmund, Two-factor Authentication for Android Host Card Emulated Contactless Cards, Proceedings of the 2015 First Conference on Mobile and Secure Services (MOBISECSERV), IEEE Computer Society, 2015, ISBN 978-1-4799-7428-3.

Munch-Ellingsen, Arne; Andersen, Anders; Akselsen, Sigmund, Manage your own security domain on your smartphone, Proceedings of the 2015 First Conference on Mobile and Secure Services (MOBISECSERV), IEEE Computer Society, 2015, ISBN 978-1-4799-7428-3.

Munch-Ellingsen, Arne; Andersen, Anders; Akselsen, Sigmund; Karlsen, Randi, *Customer managed security domain on mobile network operators' SIM cards: Opportunities to enable new business models*, Marktplätze im Umbruch: Digitale Strategien und das Zusammenwachsen von Shop, Online-Business sowie Services im Mobilen Internet. Springer 2015, (ISBN 978-3-662-43781-0).

Andersen, Anders, *SNOOP: Privacy preserving middleware for secure multi-party computations*, Proceedings of the 13th Workshop on Adaptive and Reflective Middleware (ARM 2014). Association for Computing Machinery (ACM) 2014 (ISBN 978-1-4503-3232-3).

Karlsen, Randi; Andersen, Anders, *Tools for image annotation: Using context-awareness, NFC and image clustering*, Norsk Informatikkonferanse (NIK) 2014.

Andersen, Anders; Hardersen, Trygve; Schirmer, Norbert, *Privacy for cloud storage*, ISSE 2014 Securing Electronic Business Processes; Highlights of the Information Security Solutions Europe 2014 Conference. Springer 2014 (ISBN 978-3-658-06707-6).

Andersen, Anders; Munch-Ellingsen, Arne, *Mobile device security: The role of NFC, UICC and secure elements*, Norsk Informasjonssikkerhetskonferanse (NISK) 2014.

Andersen, Anders; Yigzaw, Kassaye Yitbarek; Karlsen, Randi, *Privacy preserving health data processing*, IEEE Healthcom 2014. IEEE Communications Society 2014 (ISBN 9781467358002).

Evjemo, Bente; Akselsen, Sigmund; Slettemeås, Dag; Munch-Ellingsen, Arne; Andersen, Anders; Karlsen, Randi, *"I expect smart services!" User feedback on NFC based services addressing everyday routines*, International Conference on Mobility and Smart Cities, 2014.

Andersen, Anders; *An implementation of secure multi-party computations to preserve privacy when processing EMR data*, The International Conference on Privacy, Security and Trust (PST2013), 2013.

Andersen, Anders; Karslen, Randi; Munch-Ellingsen, Arne, *NFC provided user friendliness for technologically advanced services*, 15th International Conference on Human-Computer Interaction (HCI International 2013), Lecture Notes in Computer Science 8017, pp. 337–346, Springer-Verlag 2013 (ISSN 0302-9743).

Andersen, Anders; *Using secure multi-party computation when pocessing distributed health data*, The 12th International Conference on Security and Management (SAM'13), 2013.

Andersen, Anders; *Types, signatures, interfaces, and components in NOOP: The core of an adaptive run-time*, The International Conference on Engineering of Reconfigurable Systems and Algorithms (ERSA'13), 2013.

Andersen, Anders; Karlsen, Randi, *NFC Experiments in the NFC City Project*, NIK: Norsk Informatikkonferanse, 2012 (ISSN 1892-0713).

Haque, Abul Ahsan Mahmudul; Yu, Weihai; Anders Andersen, Randi Karlsen, *Peer-to-Peer Orchestration of Web Mashups*, 14th International Conference on Information Integration and Web-based Applications & Services (iiWAS2012), ACM, Bali, 2012.

Andersen, Anders; Karlsen, Randi. *Experimenting with Instant Services Using NFC Technology*, The First International Conference on Smart Systems, Devices and Technologies (SMART 2012), IARIA May 2012.

Andersen, Anders; Karlsen, Randi. *Personal information and the personal cloud*, Norsk Informatikkonferanse 2011 (ISSN 1892-0713).

Haque, Abul Ahsan Mahmudul; Yu, Weihai; Andersen, Anders. *An Experimental Study of Centralized and Decentralized Service Orchestration Approaches*, Norsk Informatikkonferanse 2011 (ISSN 1892-0713).

Andersen, Anders; Holmstad, Øyvind; Karlsen, Randi; Kreutzer, Tor. *NFC city context sensitive and social networking experiments*, Middleware 2011: Proceedings of the Workshop on Posters and Demos Track. ACM Press 2011.

Barrero, Domingo Diez; Borch, Njål Trygve; Andersen, Anders. *A Flexible and Collaborative Middleware for an Unmanned Aerial Vehicle Platform: When one-fit-all solution is required*, Middleware 2010, Doctoral Symposium.

Anna-Brith Arntsen, Mats Mortensen, Randi Karlsen, Anders Andersen, Arne Munch-Ellingsen. *Flexible transaction processing in the Argos middleware*, Proceedings of the 2008 EDBT workshop on Software engineering for tailor-made data management, Nantes, France, March 2008 (ACM International Conference Proceeding Series, Vol. 330).

Arne Munch-Ellingsen, Dan Peder Eriksen, Anders Andersen, *An Extensible Personal Application Server*, ACM/IFIP/USENIX 8th International Middleware Conference, Lecture Notes in Computer Science 4834, pp. 21–40, Springer-Verlag 2007 (ISSN 0302-9743).

Njål Borch, Anders Andersen, Lars K. Vognild, *Social topology analyzed*, 15th International Conference on Cooperative Information Systems (CoopIS 2007), November 2007, Vilamoura, Algarve, Portugal.

Arne Munch-Ellingsen, Bjørn Thorstensen, Anders Andersen, Dan Peder Eriksen *Building Pervasive Services using the Flock Sensor Network and Flock Container Middleware*, The Second IEEE International Symposium on Pervasive Computing and Ad Hoc Communications (PCAC-07, at AINA-07), May 21-23 2007, Niagara Falls, Canada.

Jie Yang, Gordon Blair, Anders Andersen, *Composition of Non-functional Services Using Composition Filters*, International Workshop on Reflective and Adaptive Middleware, Middleware 2005, Grenoble, France, 2005.

Anders Andersen, Gordon Blair, Per Harald Myrvang, Tage Stabell-Kulø, Andrea Bottoni, Tom-Anders Nilsen Røst, *Reflective Middleware and Security: OOPP Meets Obol*, The 2nd International Workshop on Reflective and Adaptive Middleware, Middleware 2003, Rio de Janeiro, Brazil, June 2003.

Anders Andersen, Gordon Blair, Per Harald Myrvang, Tage Stabell-Kulø, *Middleware and Security*, WORDS 2003, Guadalajara, Mexico, January 2003.

Anders Andersen, Gordon Blair, Vera Goebel, Randi Karlsen, Tage Stabell-Kulø, Weihai Yu, *Arctic Beans: Flexible and Open Enterprise Component Architectures*, NIK 2001, Tromsø, Norway, November 2001.

Anders Andersen, Gordon Blair, Vera Goebel, Randi Karlsen, Tage Stabell-Kulø, Weihai Yu, *Work in Progress: Arctic Beans, Configurable and Re-configurable Enterprise Component Architectures*, Work in Progress session at Middleware 2001, Heidelberg, Germany, November 2001.

Gordon S. Blair, Geoff Coulson, Anders Andersen, Lynne Blair, Mike Clarke, Fabio Costa, Hector Duran-Limon, Tom Fitzpatrick, Lee Johnston, Rui Moreira, Nikos Parlavantzas, Katia Saikoski, *The Design and Implementation of Open ORB 2*, IEEE Distributed Systems Online, Vol. 2, No. 6, 2001.

Lynne Blair, Gordon S. Blair, Anders Andersen, Trevor Jones, *Formal Support for Dynamic QoS Management in the Development of Open Component-based Distributed Systems*, IEE Proceedings – Software, Vol. 148, Issue 3, 2000.

Anders Andersen and Gordon S. Blair, Frank Eliassen, *OOPP: A Reflective Component-Based Middleware*, NIK 2000, Bodø, Norway, November 2000.

Anders Andersen and Gordon S. Blair, Frank Eliassen, *A Reflective Component-Based Middleware with Quality of Service Managemen*, PROMS 2000, Protocols for Multimedia Systems, Cracow, Poland, October 2000.

Gordon S. Blair, Lynne Blair, Anders Andersen, Trevor Jones, *A Formal View of Aspects in the Development of Component-Based Distributed Systems*, SCI 2000 Invited Session on Generative and Component-Based Software Engineering, Orlando, Florida, USA, July 2000.

Gordon S. Blair, Anders Andersen, Lynne Blair, Geoff Coulson, David Sánchez Gancedo, *Supporting dynamic QoS management functions in a reflective middleware platform*, IEE Proceedings – Software, Vol. 147, Issue 1, February 2000.

Gordon S. Blair, Geoff Coulson, Anders Andersen, Lynne Blair, Mike Clarke, Fabio Costa, Hector Duran, Nikos Parlavantzas, Katia Saikoski, *A Principled Approach to Supporting Adaptation in Distributed Mobile Environments*, 5th International Symposium on Software Engineering for Parallel and Distributed Systems (PDSE-2000), Limerick, Ireland, June 2000.

Anders Andersen, *A reflective component-based middleware in Python*, short talk, The Eight International Python Conference, Arlington, Virginia, USA, January 2000.

Frank Eliassen, Anders Andersen, Gordon S. Blair, Fabio Costa, Geoff Coulson, Vera Goebel, Øivind Hansen, Tom Kristensen, Thomas Plageman, Hand Ole Rafaelsen, Katia B. Saikoski, Weihai Yu, *Next Generation Middleware: Requirements, Architecture, and Prototypes*, 7th IEEE Workshop on Future Trends of Distributed Computing Systems (FTDCS '99), Tunisia, South Africa, 1999.

Gordon S. Blair, Anders Andersen, Lynne Blair and Geoff Coulson, *The Role of Reflection in Supporting Dynamic QoS Management Functions*, Seventh International Workshop on Quality of Service (IWQoS '99), London, UK, June 2000.

Michael Papathomas, Anders Andersen, *Concurrent Object-Oriented Programming in Python with ATOM*, The Sixth International Python Conference, October 1997, San Jose, California.