Curriculum Vitae for Ole Borch

I am a full time associate professor (lector) at Aalborg University (AAU), Institute for Electronic Systems, Controls Department, and full time working with information technology in education, teaching methods, system architecture and software development.

Ole Elenius Meilvang Borch. Born in Hobro (Denmark) the 27th of April 1943. Danish nationality. Married, 3 children

Education
- ° High School: Haslev Gymnasium. Mathematics line.
- ° University: Electrical and electronic engineering, Danmarks Ingenioer Akademi, Copenhagen.

Professional working area
- ° Computer development, programming and applications.
- ° Computer networking and interfacing
- ° Object oriented system development
- ° Information technology and www design and implementation
- ° IT architectures
- ° Distance teaching and learning including design and implementation
- ° Object oriented programming
- ° Study planning, design and implementation

Project supervisor, facilitator and teacher
- ° Object Oriented Analysis Design and Implementation
- ° Object Oriented Programming with Java
- ° Computer Networking
- ° Client/Server
- ° Distributed Systems
- ° Object Oriented Network Communication
- ° Multimedia Distance Learning.
- ° Human robotic development (IRobot Java API, autonomy IRobot)

Jobs
1968-70   Defence ministry research service. Working with constructing analogue computer and simulation applications
1970-74   Danmarks Ingenioer Akademi, Aalborg as teacher in analogue and digital electronics as well as minicomputers and microcomputer technology and applications
1974-2010   Associate. Prof. at University of Aalborg (AUC now AAU)
- ° Aalborg University, department of medical technique: microcomputer interfacing
- ° Aalborg University, department of communications: computer networks and FPFA programming
- ° Aalborg University, department of process control: computer networks, software development, distance education
- ° Scientific Associate at CERN, Geneva: Development control room systems using NODAL OS, C++, VME bus, CAMAC etc.
2010-2015   External Associate. Prof to AAU

Major AUC activities beyond teaching

1974-1980	Teaching in analogue electronic. Developing digital computer interface for student experiments. Maintenance of hardware and software. Building test equipment for student experiments. Developing and building electronic research equipment for dentist.
1980-1982	Developing, building and installing counter equipment for all AUC copy machinery.
1982-1983	Installing the data network laboratory. Specifying, buying and teaching in Computer Aided Engineering.
1985-	CERN, Genava Isolde experiment: several consultant of 1-6 month for development, installation and testing user functions
1990-1992	Specifying, designing and maintaining the first Local Area Network (LAN) at AUC department. Introducing the first WWW browser at AUC from CERN
1992	CERN, Geneva Isolde controls: design and implementation of driver modules for equipment of different types.
1992-1993	Network maintenance and studying Digital Electronic Cordless Telecommunication. (DECT).
1996	Member of communication group under TUR (Danish educational initiative to develop high quality courses). ° Co-developer of master study line: Informatics and line E3-5 semester ° Member of Multi Media Technology and Learning (MMTL) group in the Control Department
1996	Design, implementation and maintenance of room reservation system for the institute
1997-1998	ATOMOS Simulator project for EC in ship robust control systems
1998	Develop and managing educational initiative for IT re-education of in house VIP personal
1998	Post IT-education initiative, developer, manager and teaching for university academic staff
1998	Education initiative for academic personal (AFIT), developer and manager
1998	Developed and tested distributed project works on the Internet using Basic Support for Cooperative Work (BSCW)
1998	Technical and architectural advisor in NJ-online – a WWW based knowledge system
1998-	Developed and teaching IT course for open education in health care
1999-2001	Initiative, leader of 'CD-toolbox' - a laboratory developing prototypes of multimedia learning material
1999-	Initiative, technical leader and co-developer of Open Education: Master of Information Technology, Industrial IT (MII-ITV)
2000	Member of steering group for centre of distance teaching (ITF) and chairman for the work group
2000-	Initiative, design and responsible for remote learning platform (UniFlex)
2000-	Project in MIKS in DDN DDN (Det Digitale Nordjylland) "Multimedia distance learning by using multimedia over cable tv network"
2002	ITESM (Instituto Tecnológico y de Estudios Superiores de Monterrey) PBL/POL initiative (speech at AAU)
2002	ECIU (European Consortium of Innovative Universities) meeting in Gothenburg (speech)
2002	Article: AAU Uglen. News magazine for the university. 4-2002. "AAU-omstrukturering til internationalisering"
2002	Article: IPN nyt." IT i nær og fjernundervisning ved AAU"
2002	Article: AAU/Uddannelsesnyhedsbrev no. 3 2002: "Kan man lave projektarbejde i et virtuelt grupperum?"
FF	Not updated from here

Publications please refer to: http://vbn.aau.dk/da/persons/ole-borch%289f401224-d525-42b5-b788-c6cf72cd9f6e%29/publications.html for more informations (Valid link 07 Feb 2016)
(Some old links below may not be valid due to VBN reorganization. Please consult the link above for target)

2009

Udgivet. Publikation: Konferenceartikel i tidsskrift :

Collaboration Layer for Robots in Mobile Ad-hoc Networks. / Borch, Ole; Madsen, Per Printz;
Broberg, Jacob Honor´e; Hede, Søren Thorhauge; Mikkelsen, Simon Bjerg; Pedersen, Jesper Ellgaard;
Sørensen, Christian Br¨auner. I: I F A C Workshop Series, 2009.

Udgivet. Publikation: Tidsskriftartikel:

From State Diagram to Class Diagram. / Borch, Ole; Madsen, Per Printz. I: Information and Software
Technology, 2009, s. 1-20.

2007

Udgivet. Publikation: Konferenceartikel i proceeding:

Dedicated Programming Language for Small Distributed Control Divices. / Madsen, Per Printz;
Borch, Ole.

Second IEEE Conference on Industrial Electronics and Applications. Vol. 1 Electrical
Engineering/Electronics, Computer, Communications and Information Technology Association, 2007. s.
397-401.

Udgivet. Publikation: Konferenceartikel i proceeding:

How to Improve Learning when Going Online Using POPBL. / Borch, Ole; Helbo, Jan; Madsen, Per
Printz. Sixth IASTED International Conference: web-based education. <Forlag uden navn>, 2007. s. 92.

2006
**Changes in Roles and Behavior of Learners and Teachers When Going for
POPBL On-campus as well as On-line** / Borch, Ole ; Helbo, Jan ; Madsen, Per
Printz. I: Proceedings of the 7th International Conference on Information Technology
Based Higher Education & Training, ITHET 2006. IEEE, 2006. Konferencen: 7th
International Conference on Information Technology Based Higher Education &
Training, ITHET 2006, nr. 06EX1387C, Sydney, Australien, 10. juli 2006 - 13. juli 2006.

KONFERENCEBIDRAG

Comparing On-Campus and Distance Education / Helbo, Jan ; Borch, Ole. I:
Proceedings of the 7th International Conference on Information Technology Based
Higher Education & Training, ITHET 2006. IEEE, 2006. Konferencen: 7th International
Conference on Information Technology Based Higher Education & Training, ITHET
2006, nr. 06EX1387C, Sydney, Australien, 10. juli 2006 - 13. juli 2006.

2005
Didactics, Technology, and Organisation of Project Based Distance Education /
Knudsen, Morten Haack ; Borch, Ole M. ; Helbo, Jan. In: Proceedings of the Fourth
IASTED International Conference on Web-Based Education. Switzerland : ACTA Press,
2005. 617-622 p. Conference: Fourth IASTED International Conference on Web-Based
Education, No. 4th, Grindelwald, Switzerland, February 21, 2005 - February 23, 2005.

CONFERENCE PAPER

**Full Scale Experiences with Didactic Changes in Distance Education in Master of
Industrial Information Technology (MII)** / Helbo, Jan ; Knudsen, Morten Haack ;
Borch, Ole M.. In: Proceedings for ITHET 2005 Conference. IEEE, 2005. F3B/7 -
F3B12 p. Conference: ITHET 2005 Conference, No. 6th, Santo Domingo, Dominican
Republic, July 7, 2005 - July 9, 2005.

CONFERENCE PAPER

Processes and Roles In Remote Online Education / Borch, Ole M. ; Madsen, Per Printz ; Helbo, Jan. In: 6th International Conference on Information Technology Based Higher Education and Training, 2005. (ITHET 2005). IEEE, 2005. F3B/13 - F3B/18 p. Conference: ITHET 2005 Conference, No. 6th, Santo Domingo, Dominican Republic, July 7, 2005 - July 9, 2005.

`CONFERENCE PAPER`

Project Oriented Immersion Learning: Method and Results / Icaza, José I. ; Heredia, Yolanda ; Borch, Ole M.. In: 6th International Conference on Information Technology Based Higher Education and Training, 2005. (ITHET 2005). IEEE, 2005. T4A/7-T4A11 p. Conference: ITHET 2005 Conference, No. 6th, Santo Dominge, Dominican Republic, July 7, 2005 - July 9, 2005.

`CONFERENCE PAPER`

2004

Choosing PBL Paradigms: Experiences and Methods of Two Univerities / Brodie, L. ; Borch, Ole.

`WORKINGPAPER`

Choosing PBL Paradigms: Experiences and Methods of Two Universities / Brodie, L. ; Borch, Ole. Proceedings of the 15th Annual Conference for the Australasian Association for Engineering Education and the 10th Australasian Women in Engineering Forum, 27th-29th September 2004, Toowoomba, Queensland : Australia, 2004. 213-223 p.

`CONFERENCE PAPER`

Delt lyd over IP netværk / Borch, Ole ; Mathiassen, J.S. ; Møller, H.J.. Projekt MIKS under Det Digitale Nordjylland, 2004.

`BOOK OR REPORT`

Delt tavle over IP netværk / Borch, Ole ; Olesen, R.L. ; Michelsen, A.G.. Projekt MIKS under Det Digitale Nordjylland, 2004.

`BOOK OR REPORT`

Flexnetprojektet : IT diplomuddannelsen Aalborg Universitet / Borch, Ole ; Helbo, Jan ; Madsen, Per Printz ; Nielsen, J.N. ; Rokkjær, Ole. it-vest, 2004.

`BOOK OR REPORT`

Pedagogical and Technological Challenges in on/off Campus Education / Borch, Ole ; Knudsen, Morten ; Rokkjær, Ole.

`WORKINGPAPER`

Pedagogical and Technological Challenges in on/off Campus Education / Borch, Ole M. ; Knudsen, Morten ; Rokkjær, Ole. In: The Aalborg PBL Model : progress, diversity and challenges. Aalborg : Aalborg University Press, 2004. p. 149-163.

`PART OF BOOK`

Project Oriented Immersion Learning "Building online digital products for a cyberspace publishing house" / Icaza, J. I. ; Heredia, Y. ; Borch, Ole. POL A project oriented learning experiment, 2004.

`BOOK OR REPORT`

UniFlex : A WWW-environment for project-based collaborative learning / Borch, Ole ; Helbo, Jan ; Knudsen, Morten ; Rokkjær, Ole. Moroccan Journal of Control Computer Science and Signal Processing. 2004 ;

`JOURNAL ARTICLE`

UniFlex Collaborative on-line learning environment tool / Borch, Ole ; Helbo, Jan ; Knudsen, Morten ; Rokkjær, Ole. Tidsskrift for Universiteternes efter- og videreuddannelse. 2004 ; p. 10-18.

`JOURNAL ARTICLE`

Virtual College over IP netværk / Borch, Ole ; Nielsen, P.S. ; Andersen, J.H.. Projekt MIKS under Det Digitale Nordjylland, 2004.

`BOOK OR REPORT`

2003

Didactic Changes in Distance Education in Master of Industrial Information Technology (MII) / Helbo, Jan ; Rokkjær, Ole ; Knudsen, Morten ; Borch, Ole. International Conference on Networked e-learning for European Universities, Granada, Spain : November 2003. ISBN 9090175148, 2003.

`CONFERENCE PAPER`

Didactic Changes in Distance Education in Master of Industrial Information Technology (MII) / Helbo, Jan ; Rokkjær, Ole ; Knudsen, Morten ; Borch, Ole.   `WORKINGPAPER`

Didactics, Technology and Organisation of Project Based Distance Education / Knudsen, Morten ; Borch, Ole ; Helbo, Jan.   `WORKINGPAPER`

Digital Platforms : (Work Group 1) / Borch, Ole M. ; Opsomer, Ann ; Kairamo, Anna-Kaarina ; Pastrav, Cezar ; Wedde, Horst ; van den Branden, Jef ; Hüvelmeijer, Joseph ; Widera, Manfred ; Sclater, Niall ; Rokkjær, Ole ; Crozat, Stephane. In: Design of cEVU : Grant Agreement Number:2001-3453/001 -001. EVU- collaborative European Virtual University, 2003. p. 1-58.   `PART OF BOOK`

UniFlex : A WWW-environment for project-based collaborative learning / Borch, Ole ; Helbo, Jan ; Knudsen, Morten ; Rokkjær, Ole.   `WORKINGPAPER`

UniFlex A WWW-environment for project-based collaborative learning / Borch, Ole ; Helbo, Jan ; Knudsen, Morten ; Rokkjær, Ole. ITHET'03, 4th International Conference on Information Technology Based Higher Education and Training, Marrakech : July 2003. ISBN 9954-8352-0-2, 2003.   `CONFERENCE PAPER`

2002

Problembaseret, projektorganiseret, webbaseret læring med understøttende kurser samt erfaringer med synkron webbaseret læring / Borch, Ole.   `WORKINGPAPER`

2001

Group Organized Project Work in Distance Education / Helbo, Jan ; Knudsen, Morten ; Jensen, Lars Peter ; Borch, Ole ; Rokkjær, Ole. ITHET 2001 Conference, Kumamoto : July 2001, 2001.   `CONFERENCE PAPER`

Group Organized Project Work in Distance Education / Helbo, Jan ; Knudsen, Morten ; Jensen, Lars Peter ; Borch, Ole ; Rokkjær, Ole.   `WORKINGPAPER`

Innovation by Using a Virtual College / Borch, Ole ; Nielsen, P.S..   `WORKINGPAPER`

Innovation by Using a Virtual College / Borch, Ole ; Nielsen, P.S.. ITHET 2001 Conference, Kumamoto : July 2001, 2001.   `CONFERENCE PAPER`

2000

From Classroom Teaching to Remote Teaching / Borch, Ole ; Helbo, Jan ; Knudsen, Morten. Euro Education 2000, Aalborg : Denmark February 2000, 2000.   `CONFERENCE PAPER`

OO* Case & Course. Object Oriented System Development with JAVA / Borch, Ole. Department of Control Engineering, 2000.   `BOOK OR REPORT`

Project Work in Networked Distance Education / Knudsen, Morten ; Helbo, Jan ; Jensen, Lars Peter ; Rokkjær, Ole ; Borch, Ole ; Østergaard, Jørgen. 2nd International Conference on Networked Learning, Lancaster University : April 2000, 2000.   `CONFERENCE PAPER`

Project Work in Networked Distance Education / Knudsen, Morten ; Helbo, Jan ; Jensen, Lars Peter ; Rokkjær, Ole ; Borch, Ole ; Østergaard, Jørgen.   `WORKINGPAPER`

1999

Development of an automated technique for failure modes and effect analysis / Blanke, M. ; Borch, Ole ; Bagnoli, F. ; Allasia, G.. ESREL'99, European Safety and Reliability Conference, TUM Munich, Germany : 13-17 Sept. 1999, 1999. 839-844 p.   `CONFERENCE PAPER`

Development of an Automated Technique for Failure Modes and Effect Analysis / Blanke, M. ; Borch, Ole ; Allasia, G. ; Bagnoli, F..   `WORKINGPAPER`

From Classroom Teaching to Remote Teaching / Borch, Ole ; Helbo, Jan ; Knudsen,   `WORKINGPAPER`

Morten.

1998
Distributed Project Work / Borch, Ole ; Kirkegaard, B. ; Knudsen, Morten ; Nielsen, Kirsten Mølgaard. CALISCE '98. 4th International Conference on Computer Aided Learning and Instruction in Science and Engineering. June 15-17 1998. Chalmers University of Technology : Sweden, 1998.

`CONFERENCE PAPER`

Distributed Project Work / Borch, Ole ; Kirkegaard, B. ; Knudsen, Morten ; Nielsen, Kirsten Mølgaard.

`WORKINGPAPER`

HOW TO DO : 2. Programming Network with Sockets / Borch, Ole. Department of Control Engineering, 1998.

`BOOK OR REPORT`

Prototype Design Tool : Overall Design / Buck, J. ; Borch, Ole ; Blanke, M. ; Lootsma, T.F.. ATOMOS II, 1998.

`BOOK OR REPORT`

Prototype Design Tool / Borch, Ole ; Blanke, M. ; Buck, J. ; Bagnoli, F. ; Lootsma, T.F.. ATOMOS II, 1998.

`BOOK OR REPORT`

1997
HOW TO DO : 1. Programming I/O with Java Native Interface / Borch, Ole. Department of Control Engineering, 1997.

`BOOK OR REPORT`

1992
Proposal for a Revised Programme of Studies of the Faculty of Engineering, Ondo State University, using the Pedagogical Model of AUC as Reference / Jørgensen, Mogens B. ; Borch, Ole M. ; Esan, A. A. ; Dalgaard-Jensen, Knud ; Isager, P. ; Kloch, Søren ; Ritchie, Andrew Ewen ; Müller, Jens ; Mortensen, Niels Lambert. Aalborg : AUC, 1992.

Projects. Please refer to: http://vbn.aau.dk/da/persons/ole-borch%289f401224-d525-42b5-b788-c6cf72cd9f6e%29/projects.html **for more informations**

Mr. B
Experimental project to NiLBOT

Borch, O., Kartheepan, B., Andersen, R., Honore Broberg, J. & Jensen, S.

Intern 29/05/2008 → 19/09/2008

NiLBOT
iRobot -dem med robotstøvsugerne - har solgt os 10 styk robotplatforme af typen Create som skal anvendes i studenterprojekter og en løbende udvikling og test af teknologi. Projektet går ud på at landvindinger indenfor teorier og metoder omkring sociale robotter og robotsværme.

Borch, O., Helbo, J., Svenstrup, M. & Jensen, S. 02/01/2008 → …

AAUBOT
En mandshøj 2-benet robot konstrueret, instrumenteret og reguleret af studerende fra 7 forskellige institutter er opgaven i dette projekt. At bygge, instrumentere og kontrollere en 2-benet robot kræver ekspertviden fra mange forskellige discipliner: Mekanik, elekronik, produktion, biomekanik, kontrol og datalogi m.m. Robotten skal i fremtiden kunne gå dynamisk som et menneske d.v.s. den skal kunne gå selv om den ikke er helt i balance og den skal stabilicere sig selv under gang, når den er ved at falde.

Når den går skal den sætte hælen i gulvet når det svingende ben rammer gulvet og før et ben svinges fremad skal tåen være det sidste som rører gulvet. For at kunne gøre alt dette er robotten instumenteret med 17 motorer som bliver omhyggeligt kontrolleret til at følge nøje planlagte trajektorier. Disse er opstillet på baggrund af robot-opgaven og fra signaler som måles med transducere. Projektet tager flere år og studerende fra de ovennævnte områder skal udføre arbejdet under vejledning af forskere.

Helbo, J., Stoustrup, J., Svendsen, M. S., Bhanderi, D., Hansen, M. R., Andersen, T. O., Madsen, O., Borch, O., Ngo, T. D., de Zee, M., Popovic, D. B., Andersen, J. B., Christensen, H. V., Madeleine, P. & Dosen, S. 01/09/2006 → 30/06/2009

Project Oriented Immersion Learning. "Building online digital products for a cyberspace publishing house"

Icaza, J. I., Heredia, Y. & Borch, O. 31/12/2004 → 31/12/2004

- ### Project Oriented Immersion Learning: Method and Results

  Publikation: Konferenceartikel i proceeding

- ### Project Oriented Immersion Learning "Building online digital products for a cyberspace publishing house"

  Publikation: Bog

MIKS / Multimedia competence development system for industry

Udvikling, implementation, afvikling af undervisningsforsøg og evaluering af et fjernundervisningsmiliø. Projektet går ud på at fremstille et Virtuelt College, hvorigennem der kan drives undervisning. I forsøget anvendes IP multicast over kabel-tv-net og med multimedie, dvs. alle deltagere kan se og høre alle samt anvendelse af delt tavle. Dette er et projekt under det Digitale Nordjylland. (Afdeling for Proceskontrol, AAU; Telia/Stofa; Ericsson)

Borch, O. 31/12/2005 → 31/12/2005

Virtuelle Læringsmiljøer og Læringsformer (ViLL)

Med Masteruddannelsen i Industriel Informationsteknologi som eksempel vil uddannelsesforsøg inden for følgende områder blive udført og evalueret: * Projektorganiseret gruppearbejde over internettet: Hidtidige erfaringer tyder på, at tekstbaseret chat er et udmærket forum for projektarbejde, når det kombineres med møder ansigt-til-ansigt på weekendseminarer. I dette projekt søges det afklaret, om projektarbejdet over Internettet kan effektiviseres ved at supplere teksbaseret chat med lyd og video, og om behovet for ansigt-til-ansigt møder hermed kan reduceres. * Uvikling og evaluering af web-baseret netundervisningssystem, som understøtter projektarbejde: Eksisterende konferencesystemer understøtter specielt kursusundervisning, og hidtidige erfaringer viser, at de ikke er velegnede til projektarbejde. Et nyt system, UniFlex, som i høj grad baseres på eksisterende komponenter, og som indeholder avancerede faciliteter til dokumenthåndtering og synkron kommunikation, vil derfor blive afprøvet og videreudviklet. Da det således understøtter reflektion og kollaboration, forventes en forbedret læreproces i fjernundervisning. Dette undersøges dels ved eksperimenter i e-learning lab, hvor det sammenlignes med andre systemer, dels ved storskalaforsøg med MII-grunduddannelsen og specialerne. Projektet støttes af Det digitale Nordjylland og IT-indsatsen. (Morten Knudsen, Jan Helbo, Lars Peter Jensen, Ole Borch, John Nørdaard Nielsen)

Jensen, L. P., Borch, O., Knudsen, M. H., Helbo, J. & Nielsen, J. N. 31/12/2005 → 31/12/2005

Didactic methods in ICT-based project organised distance education

Med Masteruddannelsen i Industriel Informationsteknologi som eksempel vil uddannelsesforsøg inden for følende områder blive udført og evalueret: Didaktik: Projektarbejdsmodellen justeres, så den passe...

Lars Peter Jensen · Ole M. Borch · Morten Haack Knudsen · Jan Helbo · John Nørgaard Nielsen

Digital Platforms
Within the context of a collaborative European Virtual University, Working Group on Digital Platforms specifications of the universities? Needs - with respect to technical platforms and the characteri...   Completed

Ole M. Borch

Flexnet - Industrial IT
Et projekt under IT-Vest. Formålet med Flexnet er at udvikle IT-moduler til fjernundervisning. Fem danske universiteter og fire eksterne institutioner deltager i projektet. Formålet med proejktet "Ind...   Completed

Lars Peter Jensen · Ole M. Borch · Morten Haack Knudsen · Jan Helbo · John Nørgaard Nielsen

Flexnet-projektet - udvikling af fleksibel, netbaseret uddannelse

Elsebeth Korsgaard Sorensen · Ole M. Borch · Peter Øhrstrøm · John Nørgaard Nielsen · Marianne Georgsen · Jan Helbo · Lars Peter Jensen · Lone Dirckinck-Holmfeld · Morten Haack Knudsen · Kirsten Jæger   Completed

Mediterranean Virtual University (MVU)

Ann Bygholm · Per Printz Madsen · Elsebeth Korsgaard Sorensen · Brian Møller Svendsen · Lillian Buus · Ole M. Borch

MIKS / Multimedia competence development system for industry
Udvikling, implementation, afvikling af undervisningsforsøg og evaluering af et fjernundervisningsmiliø. Projektet går ud på at fremstille et Virtuelt College, hvorigennem der kan drives undervisning....   Completed

Ole M. Borch

Virtual learning (ViLL)
Med Masteruddannelsen i Industriel Informationsteknologi som eksempel vil uddannelsesforsøg inden for følgende områder blive udført og evalueret: * Projektorganiseret gruppearbejde over internettet: H...   Completed

Lars Peter Jensen · Ole M. Borch · Morten Haack Knudsen · Jan Helbo · John Nørgaard Nielsen

CD and on-line
- ° "Introducerende Internetkursus", Borch O., John N. Nielsen (December 1998- in Danish)
- ° "Case&Course, Object Oriented System development with Java." V3. Course material developed to GIPSECA (EU)
- ° "Object Oriented System development with java". Course material developed to GIPSECA (EU)
- ° On-line courses
  - –Networks and Data Communication
  - –Object Oriented Software Construction
  - –UML and Case Driven Software Development
  - –Object Oriented Network Programming

Research programs

1998	ATOMOS II Advanced Technology to Optimize Maritime Operational Safety (EU project)

1999	GIPSECA - A Generic Interactive Package for Systems Engineering Courses and Applications. (EU project)
2000	Uniflex a distance teaching/learning tool
2000	DDN (Det Digitale Nordjylland)
2001	EUNITE EUropean Network on Intelligent TEchnologies for Smart Adaptive Systems
2002	cEVU The **collaborative European Virtual University** project - supported by the European Commission and coordinated by EuroPACE
2004-2006	MVU Mediteranean Virtual University (EU project)

Laboratory and tool Experience
- ° Computer hardware: Motorola 680x0, VME, G64, CAMAC.
- ° Language: Java, ASP, VB, C,C++,SQL,HTML,XML/XSL,JSP, NODAL,M680x0 assembler
- ° CAE: P-CAD, XILINX FPGA
- ° Operating Systems: UNIX, DOS, NODAL, MS-Windows
- ° Applications: Many tools under MS-Windows
- ° IT: www publishing and programming (Java), architectures, BSCW (Basic Support for Cooperative Work), Moodle platform, infrastructures, analysis and design. Database. Lots of tools.
- ° Networking: Ethernet, Internet, UTINET.

External activities - subset
- ° Previous member and building up NIF (Nordjyllands Informatik Forum)
- ° Member of commercial (EOS) Java developer club
- ° Board member in Public University Aalborg
- ° Courses in WWW and object oriented system development with Java, in Public University given in the Public University and firms.
- ° IT course (WWW) for academic personnel at OU (University of Odense, Denmark)
- ° IT course (FrontPage) for academic personnel at AUC
- ° Courses for university technical staff in web development and maintenance
- ° Design and implementation of computer lab and syllabus in University of Ado-Ekiti,Nigeria
- ° Consultant in Isolde computer control development team at CERN (Software equipment drivers)
- ° Java course for "Gymnasielærerforeningens" computer science teacher
- ° Courses in WWW and object oriented system development with Java, given in the Public University and firms.
- ° Set-up and multimedia teaching OOP/Java at Ericsson.dk
- ° Collaborative partner for IPN (Danish Engineer Pedagogical Network) in IT and education speeches about remote teaching (IPN nyt nr.11 2002 p14-15)
- ° AMU/HAKL partner in developing e-learning

Hobbies
Running, skiing, mountain walking, model train, stamps, family gene research