

Learning in the Workplace

Copenhagen, 23 - 24. May 2007

Conference Programme
and Practical Information

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INTRODUCTION TO THE CONFERENCE

The conference **Learning in the Workplace** is arranged by the Danish Association for Flexible Learning (FLUID), The Norwegian Association for Distance and Flexible Education (NADE), The Swedish Association for Flexible Education (SVERD), Selskabet for Tekniske Uddannelsesspørgsmål (STUS), Nordisk Netværk for Voksnes Læring (NVL), Nationellt Centrum for Flexiblet Lärande (CFL) the Nordflex project and the Danish Ministry of Science, Technology and Development, and it is taking place in Copenhagen the 23. – 24. May 2007.

The purpose of the conference is to facilitate knowledge exchange and knowledge sharing between the participants from the Nordic countries.

The conference programme has three horizontal themes: **Mobile learning**; with examples from M-Learning projects and partners; **Learning Objects**; with

discussions and presentations from both an academic and a practical perspective, and **Learning for Business**; with representatives and cases from a wide range of companies

Furthermore the conference will apply a variety of work methods: presentations, workshops, hands-on, Special Interest Groups etc.

In addition to the actual **Learning in the Workplace** conference, which is opened after lunch on the 23 May the conference committee has arranged a “pre-conference” taking place in the morning of the 23 May, and a “post-conference”, which will commence when the official conference ends, at lunch the 24 May.

Welcome to Copenhagen!

The conference committee

PRACTICAL INFORMATION

Conference venue:

FUHU conferencecenter, Fiolstræde 44, 1171 København K, www.fuhu.dk

Conference price:

The **price of the full conference package is 325€** which includes participation in the pre-conference, conference, and post-conference activities, accommodation in a hotel from the list below from the 23. - 24. May 2007 including breakfast, two lunches and the conference dinner. No refunds are given if the participants do not participate in all activities.

An extra night in the hotel can be arranged - this cost 110€ and must be booked when signing up for the conference.

However, it is also possible to choose participation for one conference day - either the 23. May or the 24. May. The **price for a single conference day is 160€** and it covers only the conference and lunch, but not hotel nor conference dinner etc.

Sign up on the webpage:

<http://www.registrering.nu/fluid.php>

All other requests on fluid@fluid.dk

Posters:

To submit a poster contact fluid@fluid.dk

Conference hotels:

Norlandia Star Hotel, Norlandia Richmond Hotel, and Norlandia Mercur Hotel are the conference hotels. They are all 3-star hotels, centrally situated and max. 15-20 minutes walk from FUHU. The hotel will be booked on the sign-up form for the conference.

Conference language:

Most presentations will be in English, but the m-learning project presentations will be in Danish if the abstract is written in Danish (see page 6 and 7)

Conference dinner:

23. May at 19.30 Restaurant Vestauranten, Halmtorvet, København V.

Conference miscellaneous:

The conference will accept a maximum of 150 participants.

The programme might be subject to minor changes.

LEARNING IN THE WORKPLACE is supported by, Selskabet for Tekniske Uddannelsesspørgsmål (STUS), Nordisk Netværk for Voksnes Læring (NVL), Nationellt Centrum for Flexiblet Lärande (CFL) the Nordflex project and the Danish Ministry of Science, Technology and Development,

Practical organiser:

FLUID, Tamsborgvej 36A, 3400 Hillerød

LIST OF SPEAKERS alphabetical

Aleksander Dye works at the R&D department of NKI Distance Education as a researcher and system developer. His focus is web development and development of SESAM - the LMS (learning management system) of NKI.

Anita Listou, product manager in ARM Lingua as. has worked with languages and language training (French / Norwegian) for several years. University degree in French and phonetic/linguistics. Studies in international business in France

Anne Marie Kanstrup: PhD, Assistant Professor at Department of Development and Planning at Aalborg University. Anne Marie's PhD was from the e-learning lab at Aalborg University and from 2001-2005 she was a member of the e-learning group in the Workplace Consortium at Learning Lab Denmark where she – among other things – was editor of the book “E-læring på arbejde”/e-learning at work.

Anne Mette McAloone Engineer, MSc., Manufacturing Teacher and consultant in Adult Vocational Training Programme, with special knowledge of manufacturing and Lean tools, such as Value Stream Mapping, Total Productive Maintenance, Poka Yoke, Six Sigma, Quality Awareness and Change Management. Extensive experience with Work Based Learning and practical knowledge of development and application of e-learning in training programmes (course-on-demand).

Anne Vähäpassi has a long experience in the field of education. Her expertise lies in innovative usage of ICT in learning. Prior to Nokia, Anne Vähäpassi worked as an executive commissioning editor of science and educational TV programs in YLE, the Finnish Broadcasting Company. Before that, she worked in the biggest Finnish publishing company WSOY as eLearning Manager. She has worked most of her career in the Ministry of Education and the University of Helsinki.

Astrid de Mora works in the Department of Course Development at NKI Distance Education. She has taken part in the development, use and evaluation of NKI's Learning Partner Services since they were introduced in March 2006. Further, she has tutored several hundred online students in NKI's introductory course “Learn to learn” - a course that includes an introduction to NKI's online tools and services

Annelise Agertoft, senior consultant in ARGO. Master of Philology and Master of ICT & Learning. Annelise's area of work is learning and knowledge sharing in communities of practice and organisational networks. She is specialised in Computer Supported Collaborative Working (CSCW) environments and Blended Learning environments. Annelise has published the books “Netbased collaborative learning – a guide for collaboration” and “Participating in netbased learning”. Annelise is a board member of The Danish Association of Flexible Learning.

Camilla Bartholdy holds a M.Sc in IT, eBusiness, from the IT-University in Copenhagen. Since 2004 Camilla has been employed as mobile-learning project manager for the Danish e-learning company Courseware. Her task is to research and analyse the Danish and the International market for mobile-learning solutions, as well as bring life to new mobile-learning concepts in the public and private sector.

Carsten Jopp is staff engineer at Statoil's central competence unit Learning Solutions. His main task is to promote learning and competence development, both on an organisational and an individual level, by exploring and integrating ICT solutions. Carsten has formerly been a researcher, project manager and lecturer in Humanistic Informatics at the University of Bergen, Norway, specializing in the field of ICT and learning

Eirik Newth is an astrophysicist by education, and a free-lance writer and lecturer by trade. An author of 18 non-fiction books and textbooks and hundreds of articles on a wide range of subjects, he has

been involved with a multitude of digital education projects since the age of the CD-ROM. The Web 2.0 revolution enabled him to branch out in many new directions, taking him to such places as Wikipedia, Flickr, superstreng.no and his personal blog, which can be found at www.newth.net/eirik

Erica Sahlin has worked many years as a teacher and school manager with flexible learning solutions and projects.

Flemming Ast, former Country Manager in Nokia Denmark started Motto - Captura (Mobile Text to Speech for Dyslexia) during 2005. The solution was awarded 3rd place in the Edison 2007.

Flemming K. Fink Professor, Problem Based Learning in Engineering Education, Engineering background: Digital Signal Processing, Head of School, Electronic and IT 1993 – 2005, Established ELITE – Centre for Competence Development in 2001, SEFI Administrative Council member and active in SEFI Working Group on Continuing Engineering Education, Council member in IACEE (International Association for Continuing Engineering Education) Special Interest Group Leader in the thematic network TREE.

Henrik Flygare, holds a MA in Danish and drama, and a second Masters degree in Secondary Education. Working at VUC Sønderjylland since 1984 he is the author of textbooks for teaching drama – most recently ‘Drama i dansk’ in 2004. He was the project manager of the EU Social Fund-project which contributed to the development of the VUC's development of the e-learning concept in adult education.

Hróbjartur Árnason is Assistant Professor at Iceland University of education. His main fields of research and teaching are adult learning and internet supported learning. Hróbjartur studied Andragogy in Germany where he was also active as a trainer. In Iceland he has addressed workplace learning at various levels, both as trainer of trainers in some of Iceland's largest companies as well as acting as a consultant to HRD departments. Hróbjartur has developed and used various methods for online learning in private organisations and at the university.

Jakob Teilmann; serial entrepreneur, co-founder and CEO at Mobile Fitness A/S. The last 8 years working with business development projects using mobile devices. Jakob Teilmann has developed innovative mobile services, mobile enterprise project and mobile marketing programs for some of the largest companies in Scandinavia.

Jens Peter Hansen has a unique background; he holds the so-called Green Certificate in farming and a M.Sc. in Agricultural Science. After working for 15 years as a researcher at the Danish Institute of Agricultural Sciences from 2000 he has worked as a specialist adviser (ICT) at Danish Agricultural Advisory Services.

Johan Lundin In his thesis, “Talking about work”, Johan Lundin studied conversation in work as a form for learning, as a method for supporting learning, and as a model for the design of IT-support for learning at work. He is generally interested in how IT is actively involved in the everyday work, life and learning. In particular he now focuses on the involvement of mobile technology in police work, learning and instruction with WIKI:s, and how users manage and use the limited power of batteries in mobile devices.

Jón Hörðdal is Chief Operating Officer at CCP Games, the developers of EVE Online which is an MMORPG (Massively Multiplayer Online Role Playing Game). Over 150.000 people subscribe to EVE Online and it holds the world record for most concurrent players in one virtual world, over 34.000 people. Jón was previously a co-founder and CEO of smartVR, a software company which developed business collaboration and communication solutions based on multi-user virtual reality. Jón has a B.Ed. from Iceland University of Education.

PROGRAMME - 23.May 2007

9.00 – 10.15

Mødesalen

Pervasiveness - ict and learning beyond LMS

Assistant Professor Niels Henrik Helms, Syddansk Universitet, Danmark

Auditorium 1

Wiki as a pedagogical tool in learning – lessons learned

Assistant professor Svend Andreas Horgen, Sør-Trøndelag University College, Norway

Auditorium 2

Poster-session:

Present your poster related to the theme: Learning in the Workplace

Sign up at fluid@fluid.dk

10.30–11.45

The Nordic portfolio bridging school to work place – with a view to lifelong learning, Torhild Slåtto, Norwegian Association for Distance and Flexible Education (NADE)

Period summaries Erica Sahlin, Consultant, VeraDotter Scandinavian, Sweden

NordFlex – erfaringer fra et tvåårigt nordiskt projekt om kvalitet i vuxnas lärande, användning av digitala läroobjekt och virtuella seminarier.

Workplace learning with BLOGS

Kjell A. Halvorsen, programme manager, Norwegian University of Science and Technology, Trondheim, Norway

Collaborative learning in the workplace – Using Wikis, Blogs and sharepoint. Hróbjartur Árnason, Iceland University of Education

Homo Mobilus – the mobile man, Aleksander Dye, NKI Fjernundervisning AS, Norway

Web based constructivist guidance, Annelise Agertoft, Senior consultant, ARGO Consulting, Denmark

Use of online multi-user simulations in workplace training Jón Hórddal, CCP Games, Iceland

11.45 – 12.45

Lunch

13.00 - 14.15

Opening speech by deputy director general Marie Munk, The Danish National IT and Telecom Agency.

Keynote speech: "Turn on your mobile phone - please!", Jørgen Grubbe, president of The Danish Association for Flexible Learning (FLUID)

14.15 - 15.45

Mødesalen

Work based learning – an overview

Assistant professor Anne Marie Kanstrup, Aalborg University

Auditorium 1

Mobile Fitness - Support program for healthier life style habits, Jakob Teilmann, CEO Mobile Fitness A/S

Mobil e-læring for ordblinde/læsesvage i byggebranchen Kresten Storgaard, Katrine Rørvig, Flemming Ast

Energirigtig kørsel i transportbranchen Torben Iversen, Vitus Bering

Auditorium 2

"Virtual round table" How do adults take to flexible learning?

Moderator: Michael Andersson
Participants: Juha-Matti Arola, Gunnar Grepperud and Michael Lund Larsen,

16.15 -17.45

Quality in Work Based Learning The Client as a definer of quality by Leena Vainio, HAMK University of Applied Science, Finland

M-learning at a medical ward – on mobility, medical knowledge and mobile interaction Anne Marie Kanstrup Ålborg University, Denmark

Mobil e-læring for Social- og sundhedspersonale, Henrik Flygare, VUC Sønderjylland, Danmark

"Round table" The importance of technology in work based learning

Informal discussions with the keynote speakers. Get your chance to have them dive deeper into specific aspects of their presentations or answer your questions

PROGRAMME - 24.May 2007

9.00 – 10.30

Mødesalen

Situated IT-supported Learning,
Anni Vähäpassi, NOKIA, Finland

The Course Hub - an infrastructure for digital learning resources on the net, Ulf Sandström,
CFL, Sweden

Mobile language learning - harnessing the power of mobile terminals, Anita Listou

Auditorium 1

BOLDIC AWARD SESSION

Presentation of the BOLDIC award winners in 2005 and 2006, plus a nominee from 2006:

The Student Desktop, Mona Ekhöjd and Bo Hamberg

The Networked Upper Secondary, Monica Sandström
NKI Learning Partner Service,
Astrid de Mora and Aleksander Dye

The call for nominees for the Boldic award 2007 will be launched during the session.

Auditorium 2

iPod og podcasting i Undervisning, Thomas Jørgensen Ørestad
Gymnasium, Danmark

Mp3 Læring, Trine Rønholdt,
CVU Sønderjylland, Danmark

M-læring i landbruget, Jens Peter Hansen,
Dansk Landbrugsrådgivning, Landscentret,
Danmark

10.45 - 12.00

Facilitated Work Based Learning - methodology and examples,
Professor Flemming K. Fink
ELITE, Aalborg University

An example of FWBL from a Danish Company implementing Lean, Anne Mette McAloone,
Erhvervsakademiet Nordsjælland,
Denmark

Hur kan vi möta affärens krav på kompetens – att lära mer, snabbare och billigare? Staffan Ivarsson, Group HR, Swedbank, Sweden

On-demand e-learning, Vibeke Sam, IBM / Effective-Learning, Denmark

New Basic Skills - The Inter-Act project as an example of learning at the workplace Randi Husemoen, Vox, Norway

Global round table

Global players implementing global learning projects.

SAP FI/CO global roll out project for Eimskip Group,
Kristjan Thor Hallbjornsson, Eimskip, Finland

Statoil's mobile-learning project,
Camilla Bartholdy, project manager, Courseware, Denmark and Carsten Jopp, Statoil

12.15- 13.00

Keynote speech:

Education in 2027: virtual, social, autodidact, Eirik Newth, freelance writer and lecturer

The net has given us the greatest creative innovation in recent times, social content production, and we are just starting to see the consequences. Original and remixed content is distributed via wikis, podcasts and social sites such as YouTube, MySpace og Flickr at an ever growing rate. What we are witnessing is more than just a short-term change in the way we use digital media: it is the emergence of a whole new paradigm of education, authority and truth. In his lecture, Eirik Newth will speculate on what this could lead to in a couple of decades.

13.00 - 14.30

Lunch

Post conference activities - 24.May 2007

14.30 - 15.30 **STUS**

SVERD spring meeting

Special Interest Group

15.45 – 17.00 **Meeting point**

Special Interest Groups

FLUIDs generalforsamling
Dagsorden i følge foreningens vedtægter.

Abstracts 23. May 2007

Collaborative learning in the workplace – Using Wikis, Blogs and sharepoint (*Hróbjartur Árnason*) In recent years companies have been turning more and more to in-house specialists to train their employees, rather than calling in external experts. In this presentation we will consider reasons for tapping into local knowledge to support workplace learning and methods to tap inside knowledge, and support creation of new knowledge out of collaboration in the learning process.

Homo Mobilus – the mobile man (*Aleksander Dye*) This will be an introduction to what mobile learning can give back to eLearning, which eLearning took away from the distance learner when the learning went from D to E. The presenter will show what works well on a mobile device and what the challenges are, and comment on the advantages of mLearning compared to eLearning, but also the other way around.

Mobil e-læring i transportbranchen (*Torben Iversen*) Torben Iversen præsenterer et uddannelsesprogram om energirigtig kørsel specielt udviklet for lastvogns- og buschauffører. Chaufførerne får med dette tilbud mulighed for at træne i egne køretøjer sideløbende med læringsforløbet. Erfaringerne vil blive formidlet på konferencen sammen med en præsentation af materialer og teknologi set ud fra pædagogisk synsvinkel.

Mobil e-læring for ordblinde/læsesvage i byggebranchen (*Kresten Storgaard, Katrine Rørvig, Flemming Ast*) I Melfø-projektet udvikles PDA'en til at tage et foto af en tekst, som den så læser op. Endvidere udvikles e-læring for ordblinde/læsesvage i byggebranchen som testes på nogle udvalgte brugere fra branchen. De foreløbige resultater af projektet vil blive præsenteret. Hvad vil være muligt at bruge en PDA til inden for de næste 3 år. Bevægelsen vil være væk fra det pc-miljø vi kender i dag. Der vil blive vist eksempler på mulighederne inden for erhvervslivet med mobil kommunikation mellem brugere, hovedkvarter og bruger samt kunde og bruger.

Mobil e-læring for social og sundhedspersonale (*Henrik Flygare*) Projektet tager udgangspunkt i behovet for efter- og videreuddannelse blandt det mobile personale i sundhedssektoren i de nye kommuner, som er en af de mange nye udfordringer, som kommunerne står over for. Abonnementsmetoden (baseret på Podcasting modellen) giver mulighed for en individuel tilpasning til den enkeltes behov og ønsker, herunder fx muligheden for at abonnere på fvu-dansk. Forudsætningen for denne mobile e-læring er, at medarbejderne er forsynet med et mobilt medie, fx Smartphone eller PDA, som gør det muligt at opdatere og hente relevant materiale i løbet af dagen.

Mobile Fitness - Support program for healthier life style habit (*Jakob Teilman*) Mobile Fitness is a white-label mobile based compliance program that prevents and treats life-style related diseases by facilitating an easy, cost-effective, and lasting weight loss. Mobile Fitness creates a virtual controlled environment in the patients' social context giving access to a range of personal tools to achieve lasting weight loss using the mobile phone & internet as communication channels. The solution can be used by individuals alone or supervised by relevant medical and dietary staff that can monitor the progress in real time

M-learning at a medical ward: on mobility, medical knowledge and mobile interaction (*Anne Marie Kanstrup*) The MINI-project (short for Mobile INteractIon) works with design of m-learning applications for physicians in clinical training at an emergency medical ward at a major regional hospital in Denmark. The presentation presents results from the project highlighting: a) the meaning and consequences of mobility in the case, b) theoretical understanding of medical knowledge, c) the mini-design application, its evaluation and further development.

The Nordic portfolio” bridging school to work place – with a view to lifelong learning (*Torhild Slåtto*) To make an e-portfolio is a process: Collection – reflection – selection – presentation. When

this process starts at school, it is a tool for assessment as well as a tool for empowering the student to be aware of her competences and knowledge. Moreover, the e-portfolio becomes a documentation and presentation of the student the moment she wants to apply for a job. The e-portfolio might bridge studies and work place. It is a tool that could be applied during the entire life, motivating for lifelong learning. In the Nordic project NORDPORT, Nordic partners deal with a specific Nordic (e-)portfolio, making an arena for the specific Nordic values

Period summaries (*Erica Sahlin*) There are many ways to reduce stress connected to tests. The use of period summaries is a way not only to reduce stress but also a way to help adult students to reflect on their learning situation, formulate goals for their different courses and find ways use their new knowledge and skills in working life.

Pervasiveness – ict and learning beyond LMS (*Niels Henrik Helms*) Pervasive learning is a concept with huge potentials for the design, development and understanding of learning environments. Pervasive learning is about technology and new technological capabilities – But it is foremost a process that connects learners to communities of devices, people, and situations which means that learners can construct or co-construct relevant and meaningful learning experiences and contexts.

Quality of eLearning - the Client as a definer of the quality (*Leena Vainio*) Quality of online courses, Learning objects and learning processes have included basic elements: 1) clear elements of educational goals, 2) the institutional commitment to support learners, 3) collaborative learning process and 4) improving the learning and teaching environment. New collaborative working and communication tools like Web 2.0 gives new possibilities for learners to create knowledge and content. Are the quality demands the same or who will define the quality in the Do-it-yourself media?

Use of online multi-user simulations in workplace training (*Jón Hörðdal*) the presentation focuses on the current situation of online multi user simulations in workplace training as well as trends and future opportunities. Advantages, limitations, technologies, case-studies (examples) and more will be touched upon as well as ideas and thoughts on how a large scale virtual community such as EVE Online can be utilized for educational purposes.

Web based constructivist guidance (*Annelise Agertoft*) Presentation of a guidance website based on the work with learning styles and a constructivist approach to guidance. www.sosuhjaelper.dk presents an education and an area of work (social- and health) using videos, text, photos, graphics, sound and e-mail communication with guiders and students representing the education. The presenter will focus on the possibilities of transfer to other educational areas.

Wiki and Blog in Workplace Learning (*Kjell Atle Halvorsen*) The integration of ICT in education is changing the landscapes of schools, challenging leaders and teacher to develop new competencies and teaching strategies. Blog and wiki are so-called web 2.0 applications, and as such part of the new curriculum for teachers as well as students. They are easily available on the Internet, free of charge. They also afford new opportunities for facilitating competence development. A workplace learning project based on the use of blog and wiki involving a teacher training institution and an upper secondary school will be discussed.

Wiki as a pedagogical tool in learning – lessons learned (*Sven Andreas Horgen*) Using a locally installed wiki offers a great pedagogical potential in education and a nice possibility for the students to learn on different levels according to Bloom's taxonomy. However, using wikis is non-trivial, and requires quite a bit of pedagogical and organisation planning, and in the presentation a number of important questions will be addressed: Can a wiki replace existing learning activity? Do wikis fit with interdisciplinary courses? Should the wiki be open on the Internet for others to see, or password protected?

Abstracts 24. May 2007

The BOLDIC session: Elevskrivbordet – The Student Desktop (*Mona Ekhöjd and Bo Hamberg*) Through the ICT solution Elevskrivbordet – The student desktop – students and workers with special needs are able to use tools which enable them to work and access learning resources that they otherwise wouldn't be able to use. The presentation will give a background to the project. There will be demonstrations and examples of good practice.

The BOLDIC session: Nätverksgymnasiet- the Networked Upper Secondary (*Monica Sandström*) won the 2005 BOLDIC Award for its innovative organisation and use of ICT. This upper secondary school contains both traditional upper secondary school subjects as well as many vocational orientations preparing for working life. Nätverksgymnasiet is now one of 20 idea schools in Sweden and part of its network focussing on validation of vocational skills in a lifelong learning perspective

The BOLDIC session: NKI Distance Education's Learning Partner Service (*Astrid de Mora and Aleksander Dye*) The presentation focuses on the experiences from the NKI Distance Education's Learning Partner Service. It is a service for voluntary cooperation between students in a large online community. This service received the international Boldic Award for 2006. The jury stated that it: "...further and develops the Nordic tradition in ODL. The learning partner concept adds a new, innovative dimension of student support to flexible distance education.

The Course Hub - an infrastructure for digital learning resources on the web (*Ulf Sandström*) We all want to do things in our own way. Teachers want to use open content available free of use for all. They want to compose, rearrange, develop, cut and paste, reuse and create content and implement it in new learning context. In the presentation we show examples of how digital learning resources from the Course Hub is implemented in ICT supported flexible lifelong learning. New functions in the repository will be shown as tools for video and test production. How does it work in Sweden ?

An example of FWBL from a Danish Company implementing Lean (*Anne Mette McAloone*) The presentation shows how companies may use the Adult Vocational Training Programmes ("arbejds-markedsuddannelser" or "AMU") in a long-term company strategy, with a focus on implementing Lean. Focus is on how the use of e-learning, as a supplement to traditional training, allows periodic training for both new and current employees, ensuring that all employees receive exactly the same training.

Facilitated Work Based Learning – methodology and examples (*Flemming K. Fink*) University teachers play in FWBL an active role as facilitator of knowledge transfer and application, based on identified company needs. The learner plays an active role in the development of new company based competences. The methodology is combining experiences from Problem Based Learning and Work Based Learning. Examples from a project with 75 SME's will be presented.

Hur kan vi möta affärens krav på kompetens – att lära mer, snabbare och billigare? (*Staffan Ivarsson*) Presentationen kommer bli att innefatta Hur Swedbank har kopplat kompetens- och lärandestrategi till affärsstrategin, Hur Swedbank arbetar med strukturerad kompetensförsörjning Hur Swedbank har halverat utbildningskostnaden och förbättrad effekten genom att arbeta utifrån begreppet flexibelt lärande.

iPod og podcast i undervisningen (*Thomas Jørgensen*) I gymnasieskolen fylder mundtligt arbejde en meget stor del af undervisningen og den mundtlige formuleringsevne sættes højt. På trods af meget arbejde med nye og mere elevaktiverende arbejdsformer fylder lærerens mundtlige vejledning fortsat meget, ikke mindst i de traditionelle discipliner som fremmedsprog og matematik. Præsentationen sætter fokus på den særlige tekniske løsning af problemerne ved mundtligheden i gymnasieskolen.

M-læring i landbruget (*Jens Peter Hansen*) Ikke alle landmænd har tid til at tage på kursus, og der er ikke tradition for at sende ansatte på kurser. Brug af e-læringskurser er en mulighed men løber dog ind i to problemer: Computeren indgår ikke i landmandens arbejdsfære og typisk har landmanden en pragmatisk aktivitetsrettet læringsstil. Projektet fokuserer på integration mellem eksisterende netbaserede informationssystemer og m-læring, m-læring knyttet til faglig nyhedsformidling og den daglige praksis, herunder også sproglig versionering af læringsmaterialer og m-læring knyttet til kontekst ved brug positioneringsteknologi.

Mobile language learning - harnessing the power of mobile terminals (*Anita Listou*) ARM Lingua has as the first company in the world elaborated language courses for learning via mobile telephones. New technologies give new possibilities. The platform gives not only flexibility, but also enables the user to increase time of practise. The courses are already in use in Norwegian schools (colleges and high schools) for German studies.

Mp3 læring (*Trine Rønholdt*) Projektet Mp3 lærings formål er at kunne tilbyde en mere fleksibel efter- og videreuddannelse ved at kombinere face-to-face undervisning, læring via en elektronisk platform som Blackboard med brug af mobil teknologi og samtidig udvikle et koncept, der er enkelt både teknologisk og omkostningsmæssigt. Hensigten er at den enkelte underviser med lidt vejledning og teknologisk bistand selv kan tilrettelægge undervisningen med brug af de forskellige teknologier herunder også mobil teknologi.

New Basic Skills - The InterAct project as an example of learning at the workplace (*Randi Husemoen*) The InterAct project is a Leonardo project which aims to develop the training methods for New Basic Skills at the workplace. The trans-national consortium has developed scripts and scenarios for groups of learners who have co-operated with the use of ICT. The overall idea is to learn basic skills – languages, negotiations, problem solving ICT etc - through role playing

On Demand E-learning (*Vibeke Sams*) The presentation will focus on the possibilities of using e-learning as a method of on demand learning. There will be a presentation of case stories where companies have obtained valuable results by using e-learning. E.g. accelerate time to competence through guided workplace learning experiences. Furthermore the presentation will include what e-learning will look like in the future.

SAP FI/CO global roll out project for Eimskip Group (*Kristjan Thor Halbjornsson*) The presentation will show how Eimskip is bringing experience across the company by delivering user training from company to company without losing valuable time and effort in travelling. The goal is to deliver training from experienced users in same company environment multi locations in order to get good users on time.

Situated IT-supported Learning (*Anni Vähäpassi*) The presenter will discuss the importance of having unlimited access to work-related information and knowledge base on the go. She will give an example of a so-called mobile job-aid by showing a video clip of a use case and presenting a prototype of an mLearn concept in a retail environment. The presenter will also discuss the enablers that we now have for real mobility in work place learning, and some future trends that educators should take into consideration when planning learning experiences and environments.

Statoil's mobile-learning project (*Camilla Bartholdy and Carsten Joop*) The presentation will give an introduction to Statoil's learning centre Learning Solutions and their mobile-learning project. Why is Statoil introducing m-learning? Who is the target group for m-learning in Statoil? What is the purpose and the content and how do the employees feel about m-learning and the outcome of it. Statoil's m-learning programmes will be demonstrated.

LIST OF SPEAKERS continued

Katrine Rørvig is MA in linguistics from the University of Heidelberg, Germany and the University of Copenhagen, Denmark. Currently working on the MELFO-project.

Kjell A. Halvorsen worked as an upper secondary high school teacher and administrator until 1992, when he transferred to the Norwegian University of Science and Technology (NTNU) as head of the Centre for Continuing Education where he remained until 1999. He has since held positions as head of the Norwegian Network University, the Laboratory for ICT and Learning at NTNU, and head of the first editorial board of the national Norwegian Internet portal for education, Utdanning.no. He is currently managing a master's degree in school leadership at the Programme for Teacher Education at NTNU, with a prime interest in ICT and learning.

Kresten Storgaard is sociologist and senior researcher at SBI, AAU, dept. for Process and Innovation. He has made research on collaborative processes and ICT, Embedded technology in the Building Sector, and Strategic Partnerships in Building and Construction. He participates in ECTP work concerning the just started EU research programme (FP7).

Kristjan Thor Hallbjörnsson is a Program Manager and IT Architect responsible for SAP FI and SAP BI for Eimskip Group. www.eimskip.com He has been involved in IT business consulting, project and program management last 20 years, responsible for SAP projects domestic for Telco for last 7 years. He joined Eimskip 03.2006 which is largest in the world in temperature controlled transportation business, shipping, trucking and warehousing.

Leena Vainio has contributed to the introduction of eLearning into Finland all the way from the end of the 1980s. She heads the eLearning Centre within the HAMK University of Applied Sciences. Ever since the establishment of the Centre Ms Vainio has captained its operations to help achieve the institute's mission as a meeting forum for enterprises and other actors in the field and as a facilitator of new innovations. She is also the chairman of the Finnish eLearning Association

Mona Ekhöjd is the project leader of the students' desktop project which is a major contribution to an equal access to ICT resources for students with special needs. Mona and her colleague Bo have many years experience of supporting adult students with different disabilities.

Monica Sandström is a school manager at Bräcke Upper Secondary the project leader of Nätverksgymnasiet, now transformed into a permanent school covering the county of Jämtland

Niels Henrik Helms is a researcher and developer in ICT and Learning. His research is focussed on the interplay between new pervasive technology, processes of knowledge and Learning in the workplace. Furthermore he is working on the development of a more reflective and generic theory on learning, knowledge and ICT. Niels Henrik is responsible for research in e-learning at knowledge lab. Access to CV and publications on www.Knowledgelab.dk

Randi Husemoen is senior adviser at Vox. Vox is owned by the Norwegian Ministry of Education and Research and has been given the role of promoting learning in working life. She coordinated the Leonardo da Vinci project InterAct 2004-2007

Staffan Ivarsson has been working with HR –issues in the banking industry for 20 years now, mostly in the field of competence and learning. He has been working with the issues from a strategic perspective, but previously also more operational, as head of the Swedbank Training department. Staffan also has a long experience in the field of Intellectual Capital, and has been working with questions about how to measure and manage and increase the intangible assets of a company.

Svend Andreas Horgen is teaching both in distant education and on campus: programming, Web 2.0, security and operating systems. Horgen is also deeply committed and engaged in e-learning: Pedagogical use of wikis, RSS, podcasts and blogs, Pedagogical use of multiple choice (automated testing), LMS-systems (Moodle in particular), Content management, Learning objects and experimental use of Blended learning in the classroom (real-time use of LMS++) Horgen is the author of the first Norwegian book on PHP-programming <http://aitel.hist.no/~svendah/>

Thomas Jørgensen er vicerector ved Ørestad Gymnasium. Oprindeligt er han uddannet i matematik og historie ved Odense Universitet år 1993. Siden da har TJ gennem sit arbejde som gymnasielærer først ved Vallensbæk HF og som vicerector ved Nærum Amtsgymnasium været med til at udvikle nye måder at anvende IT i undervisningen på. Tiltagene har drejet sig om præsentationsværktøjer, hjemmesider, billedbehandling elektroniske tavler og sidst altså iPod i undervisningen. Thomas Jørgensen har haft særlig fokus rum og pædagogik da han har arbejdet med skabelsen og starten af to nye gymnasier i Danmark, hvor særligt Ørestad Gymnasium byder på helt nye arkitektoniske muligheder.

Torben Iversen, is development coordinator at Vitus Bering Denmark University College, Master ICT and Learning. Working with development of e-learning materials and methods for vocational training in close cooperation with teachers and learners. He is participating in several national and international projects about e-learning

Torhild Slåtto is the executive director of the Norwegian Association for Distance and Flexible Education (NADE). She has looked into e-portfolio as a motivation tool for lifelong learning, and she takes part in several projects dealing with e-portfolio. Slåtto is a sociologist with a former career in journalism. She frequently makes presentations and writes articles, particularly about distance and flexible education, adult education and education policy.

Trine Rønholt: originally trained as a teacher, she has supplemented her studies with Diploma studies in Adult Education from The Danish University of Education, she holds an MA in Human Resource Development and is currently Head of the Knowledge Centre for Management, Organisation and Competence development at CVU Sønderjylland.

Ulf Sandström works at the Swedish Agency for Flexible Learning (CFL) as project leader, he holds a M. Sc. in Scientific subjects from Uppsala University. He is member of the board for SVERD (Swedish Agency for distance education www.sverd.org), and works for the advisory board at the Swedish Agency for E-competence, REK, www.rek.se. He has the chair for SIS Swedish standards institute workgroup T 450 Metadata and vocabulary.

Vibeke Sams holds a M.Sc. degree in Organisation, focusing on Human Resource Development, Business Psychology and Corporate Culture. She has been working as a Consultant for the last twelve years, developing and implementing a wide range of innovative solutions within the fields of business- and learning consulting. Today she works at an IBM subsidiary – Effective-Learning - with global companies, who have a growing need to professionally develop and manage competencies and skills of employees and managers, to be successful achieving their business- and people strategies.