2nd European Workshop on Practical Aspects of Health Informatics (PAHI 2014)

"Citizen-centred health information technologies (HIT):

Communicative opportunities and challenges."

http://www.sislab.no/pahi

NTNU in Trondheim – 19.-20. May 2014

Organized by NTNU by
Norwegian Women's Network in Health Informatics
(NSEP, MTFS NTNU, NO-7491 Trondheim, NORWAY)

VENUE: KA11 in Kunnskapssenteret at NTNU/St. Olavs Hospital
(the 'smaller' auditorium – back, left)

Date	Subject	Presenters	Comment
Monday - May 19			
10.00-10.30	Welcome	Chairs Elizabeth Brooks and Ellen Jaatun	
10.30.- 11.00	Introduction	Stig Slørdahl.	Dean at The Faculty of Medicine at the Norwegian University of Science and Technology (NTNU) in Trondheim
11.00-11.45	Keynote	Arild Faxvaag	Head of the Norwegian Research Center for Electronic Patient Records, NTNU
11.45-12.30	*Lunch*	KS12	
12:30-12:45	Mind the gap	Intro by Abilia	Lene H.Larsen
	Paper presentations introduction	Program chairs: Kirsti E. Berntsen and Heidi Gilstad	
	eHealth in context	Heidi Gilstad	
12.45-13.10	1. Normalizing E-messaging in Healthcare: Experiences with Routine Development among Healthcare Workers in Two Municipalities	Melby and Hellesø	
13.10-13.35	2. Shaping of technology and place in municipal healthcare in Norway - an explorative study	Håland	
13.35-14.00	3. Infrastructuring eHealth - in large and small	Berntsen	
14.00-14.30	*Coffee break*		

	Security and safety	Session chair Andreas Landmark
14.30-14.55	1. Security Considerations for Tablet-based eHealth Applications	Jaatun, Jaatun and Moser
14.55- 15.20	2. Federated Privileged Identity Management for Break-the-Glass: A Case Study with OpenAM	Preuveneers and Joosen
15.20-15.45	3. Development of a medication reconciliation tool for Norwegian primary care EPR systems: Experiences from a user-initiated project	Røst, Sørby and Seland
15.45-16.00	Discussion	
18.00	**Dinner at Ågot Lian**	*Kongens gate 14 B http://www.agotlian.no/kontakt*

Tuesday - May 20

08.30	Introduction day 2	
09.00-09.45	Keynote	Grant Cumming BSc (Hons) MBChB MD FRCOG Consultant Obstetrician & Gynaecologist Dr Gray's Hospital, NHS Grampian. Honorary Senior Lecturer University of Aberdeen. Honorary Professor University of the Highlands and Islands
	Break	
	eHealth literacy and communication	Session chair Gunnar Klein
10.00- 10.25	Is e-health literacy a prerequisite for surviving in modern healthcare?	Gilstad
10.25-10.50	Electronic Tracking of users with Cognitive Impairment (Contrasting a literature Review with Local Experience)	Schaathun, Molnes, Berg, Einang Alsnes
10.50-11.15	The Language of Pain – better requirements for pain tools	Dixon, Jaatun, Brooks
11.15-11.45	**Coffee break**	
	Methodology	Session chair Erna Haaland
11.45-12.10	On Evaluation of Automatically Generated Clinical Discharge Summaries	Moen et al
12.10-12.35	A Flexible Metamodelling Approach for Healthcare Systems	Rabbi, Lamo and MacCaull
12.35-13.00	LEt's GO! Workshop Creativity With Caricatures of Locations	Iversen and Landmark
13.00-14.00	**Lunch**	KS12
14.00-16.00	**Forum -** *How do we define next generation of health information technologies (HIT)?*	
	Facilitator Elizabeth Brooks.	Participants: Bård Kulseng and Morten Jensvoll, Tara French, Dag Svanæs, Aksel Tjora

Invited Speakers:

Introduction

Stig Slørdahl

Stig Arild Slørdahl (55) is since 2005 Dean at the Faculty of Medicine, Norwegian University of Science and Technology (NTNU) in Trondheim. He is professor of Medicine (cardiovascular physiology) and specialist in internal medicine (1998) and cardiology (2000). He is an attending physician at St Olavs Hospital. Since 2009 he has had a weekly blog on forskning.no.

Slørdahl's research background is in cardiac ultrasound, stroke units and physical training of cardiac patients. He is a Fellow of the European Society of Cardiology (from 2002) and a member of The Royal Norwegian Society of Sciences and Letters (from 2009).

Keynote

Arild Faxvaag

Associate Professor and leader of the Norwegian Centre for Electronic health records research (NSEP). He got his M.D. in 1986 and dissertated in 1995. He became a specialist in rheumatology and associate professor in 1999. He began engaging in health informatics implementation activities and started doing health informatics evaluation research in 2000. He is a founding member of NTNUs multidisciplinary health informatics research community, an activity that he now leads. He has 31 full text papers of which most are indexed in PubMed (H-Index 13), in addition to 18 conference papers and 6 reviews, book chapters and reports.

Grant Cumming

Grant P Cumming BSc (Hons) MBChB MD FRCOG
Consultant Obstetrician & Gynaecologist Dr Gray's Hospital, NHS Grampian
Honorary Senior Lecturer University of Aberdeen
Honorary Professor University of the Highlands and Islands

My interest in e health stems from an enthusiasm to use technology to improve the delivery of health care and that the current reactive model of healthcare is unsustainable. I have been involved in building the evidence base for using digital technologies to deliver healthcare which has been recognised with the development of a life science building in Elgin with a remit to develop digital health further. This work has also been recognised by the WHO who hosted a meeting in the locality and also by the University of Highlands and Islands who created a new chair in digital health based in the life science centre.

The Internet of things gives us the opportunity to predict behaviour and provide preventative, participatory and personalised medicine. This keynote will provide an overview of the challenges facing healthcare, make the case for using the Internet as a conduit for delivering healthcare, introduce the emergent and overlapping disciplines of Medicine 2.0 and Health Web Science, highlight the need for redesign of healthcare systems utilising agile, iterative, co-creative, co- operative methodologies, the need for new ways of evaluating interventions and end with an urgent call to seize the moment.

Forum - *How do we define next generation of health information technologies (HIT)?*

The challenge for Health Informatics is well documented describing reducing resources and an ageing population. Health care managers have often used traditional procurement routes and research to inform process and equipment changes.

This workshop will form a forum for a discussion around the contribution and approaches which can be made by clinicians, software developers, social scientists and designers in meeting the challenges facing us all in this area. Representatives from these four disciplines will give a short presentation each describing how they have faced a challenge in the Health area. There will then follow a time for structured group discussion. The session will end with the chance to draw together the themes, which have emerged from the session and explore possible further work and collaboration.

Facilitator:

Elizabeth Brooks

Elizabeth Brooks is the Design Director for the Digital Health Institute. The DHI aims to co-create sustainable economic growth through new products, services and systems developed together with businesses, academics, healthcare specialists and citizens. Our aim is to generate high value health and social care solutions to the benefit of the people of Scotland and wider. Elizabeth leads on the Experience Labs with the DHI. Before working at the DHI Elizabeth led the Computing Subject Network at the University of the Highlands and Islands, building on 20 years international experience in the IT and Computing industry. Elizabeth has a first degree in Ecological Science and a Masters in Satellite Remote Sensing and GIS.

Participants:

Tara French

Tara French MA(Hons), MBPsS
Research Fellow, The Digital Health Institute, The Institute of Design Innovation, The Glasgow School of Art

Tara French is a Research Fellow for the Digital Health Institute; a Scottish Funding Council Innovation Centre led jointly by the University of Edinburgh, the Glasgow School of Art, and NHS 24; and is based at the Institute of Design Innovation in Moray, Scotland.
After completing her degree in Psychology at the University of Glasgow, Tara was awarded a PhD studentship from Glasgow Caledonian University. Her PhD research investigates the role of music in health promotion. Tara's ongoing research interests include the use of digital technologies in health care and the use of music as a therapeutic application in health promotion. Tara has collaborated with NHS Grampian on numerous eHealth projects and is a member of the Moray Digital Health Initiative. Tara has presented her research at conferences both nationally and internationally, and has collaborated with the music department at the University of Western Australia.

Prior to joining the DHI, Tara held the position of Lecturer of Psychology and Applied Music at the University of the Highlands and Islands, Moray College.
In her spare time, Tara is choral director of Sing for Life Speyside, a community choir based in the rural North East of Scotland. Tara received a Magnus Magnusson Award in 2010, which allowed her to establish the choir which aims to promote health and wellbeing through singing.

Bård Kulseng, Professor Ph.D

(MD, PhD) is the Head of the Obesity Centre at St. Olavs University Hospital at Trondheim, with more than 25 years of research and clinical experience in Endocrinology and Obesity. He is also head of the Endocrinology Department at St. Olavs Hospital , Trondheim University hospital and professor at the Department of Cancer Research and Molecular Medicine, NTNU.

Morten Jensvoll

General practitioner Fosen
Administrator of Fosen Helse IKS / Fosen emergency health service

Previously - administrator of 330 Helicopter Squadron, Royal Norwegian Air Force, Emergency helicopter service.

Dag Svanaes, Professor,Ph.D. e-mail: dags@idi.ntnu.no

at the Department of Computer and Information Science, NTNU. I have been teaching and doing research in Human-Computer Interaction (HCI) since the late 1980s. My main areas of interest are mobile and ubiquitous computing, usability evaluation methodology, user-centered design, and the philosophy of interaction. I am currently involved in a national research initiative on medical informatics (NSEP), and have built up a usability lab for health ICT at NSEP

Axel Tjora

Aksel Tjora is Professor of Sociology at the Norwegian University of Science and Technology (NTNU, Trondheim), and Professor II (adjunct) at the Norwegian Centre for Integrated Care and Telemedicine (NST, Tromsø). His research includes a wide range of themes, such as organizations, public and semi-public spaces, technologies, and health and medicine, always with a special interest in material-social interaction.

General Chairs:

Ellen A. Andreassen Jaatun (MD)

Jaatun is a Otorhinolaryngologist and has worked in St. Olav University Hospital in the Otorhinolaryngology Head and Neck surgery department since 2004. Currently working in the final phase of a PhD focused on digital communication of pain at European Palliative Research Centre, Norwegian University of Science and Technology.

Elizabeth Brooks – see above

Program Chairs:

Heidi Gilstad, phd

Presently employed as postdoc and project manager at the Health Informatics Research Group, Department of Neuroscience, Faculty of Medicine, NTNU. My background is from applied linguistics, and I hold a PhD in Health Communication from the Faculty of Humanities, NTNU. I have previously been employed at the Norwegian Research Centre for Electronic Patient Records as an adviser for two

years, at the St.Olavs University Hospital as a project manager ICT for ten years, and before that I worked as university lecturer at NTNU, as usability architect at the IT-company Mind Norway, and as project manager ICT at the Gyldendal Publishing House.

Kirsti E. Bernsten, phd, Use of IS in Service Work.

Bernsten has a background as a Master of Science in Telematics, 16 yrs as a consulting engineer working with technology assessments and acquisitions of Large PABX's (private phone exchanges) in InterConsult (now Cowi) before starting her PHd work of qualitative studies of Information Systems in Use. My research interests lie with CSCW and infrastructuring. Lately my interests focus on ICT as useful in collaborative settings of service production, across organizational or cultural barriers. Provision of healthcare, or receiving healthcare, being an especially interesting domain. My current employment is with NTNU at the medical faculty –working with the Master Program Continuing Education in Health Informatics. I will shortly join HiST, Sør-Trøndelag University College as Assistant Professor in ICT & Collaboration.

Publication chair:

Martin Gilje Jaatun

is a senior scientist at SINTEF ICT. He received his Sivilingeniør (MSc) degree in Telematics from the Norwegian Institute of Technology in 1992, and has been employed at SINTEF since 2004. He is Elicitation stream manager of the FP7 IP A4Cloud, was WP manager in the FP7 SEC project DEMASST, and has served in task leader roles in several EU projects. Mr Jaatun is co-founder and board member of the Cloud Computing Association, which organizes the annual IEEE CloudCom conference (http://www.cloudcom.org). He currently participates in several projects concerning cloud security, security for smart grids, and information security for Air Traffic Management systems.

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Wednesday May 21th 2014
Venue: NSEP/ Faculty of Medicine, Olav Kyrres gt 9

Post-PAHI
Future collaboration?   - Open for all interested parties.

NTNU/NSEP and the Usability lab
08.30-09.00 NSEP, Arild Faxvaag
09.00-10.00 Usability Lab, Dag Svanæs and Terje Røsand
10.00-10.30 Aksel Tjora
10.30-11.00 Discussion

11.00-12.00 Lunch meeting
11.00-11.30 Elizabeth Brooks and Tara French
11.30-12.00 Operation room of the future (FOR) Ketil Thorvik at StOlav
12.00-13.00 Discussion and wrap-up