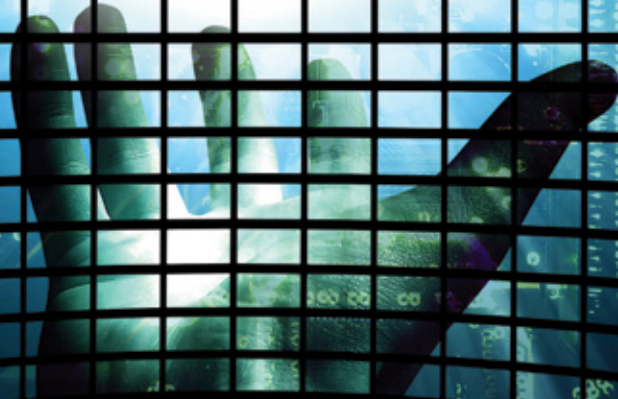


NST | Norwegian Centre for Telemedicine
UNIVERSITY HOSPITAL OF NORTH NORWAY
WHO Collaborating Centre for Telemedicine

INNOVATION
NORWAY

TTeC08

TROMSØ TELEMEDICINE AND eHEALTH CONFERENCE



Innovation in eHealth

9-11 June 2008
Tromsø, Norway

www.telemed.no/ttec2008

Welcome to TTeC 2008

TTeC 2008 is about Innovation in eHealth. The aim of the conference is to combine research and innovation in the field of advanced telemedicine and eHealth systems for chronic, age-related and lifestyle-related diseases.

It is also our ambition to bring together scientific researchers and international business people in an attempt to establish new relations to create new businesses and products in health and ICT in a global market.

On behalf of the conference committees, I am delighted to welcome all participants to TTeC08. We invite you to join us, to become inspired and to discover the possibilities for innovation in eHealth.

Steinar Pedersen
Conference Chair



Innovation Norway

Opening Speech by Gunn Ovesen, Managing Director Innovation Norway.

Innovation Norway offers products and services intended to help boost innovation in business and industry nationwide, foster regional development and promote Norwegian industry and Norway as a tourist destination.

With offices in all counties and in more than thirty countries worldwide, we are easy to get in touch with. Our staff's knowledge of local and international conditions will help turn customers' ideas into business successes.



Innovation Jam Thought leaders

Bill Crouse is Senior Director of Worldwide Health at the Microsoft Corporation. The world's largest software company is in the process of investing substantial resources in the health sector, thus sending a signal that cannot be ignored. Bill Crouse is the leader of this initiative, a former doctor and one of the world's foremost visionaries in the use of ICT in the public health service.



Clayton M. Christensen is Professor at Harvard Business School and became a world-famous business guru after writing the book *The Innovator's Dilemma* in 1997, in which he explored the reasons for the rapid transition of well-managed companies from success to failure. His theories about "disruptive innovation" are respected as an important contribution to the understanding of what takes place when a start-up company makes a rapid rise from scratch and takes over market-leading positions ahead of the established giants.



Anne Kirah is part of the newly established alliance in Denmark called Future Alliance. She facilitates change within companies and organizations wanting to approach the rapidly paced world we live in. For example, she has worked with Boeing, Microsoft and the Danish college 180 Degrees Academy. Working within most areas of radical innovation, Kirah guides you through new ways of acting in order to create meaningful, relevant, and desirable products, services and organizational change.



Mark Mattingley-Scott is currently working for IBM where he is responsible for business development in the sensors and actuators market in Germany. He is also an Adjunct Professor in Cognitive Science and Anthropology at the University of Frankfurt, and Chairman of the Board for the Institute for New Media. Dr. Mattingley-Scott obtained a Ph.D. degree from the University of Durham in 1989. He is a Senior Member and chairman of the Institute of Electrical and Electronic Engineering SMC society.



Dr. Najeeb M. A. Al-Shorbaji works for the WHO is one of the people with the longest experience in telemedicine and eHealth in WHO. He has worked in the World Health Regional Office for the Eastern Mediterranean in WHO since 1988. Al-Shorbaji is one of the pioneers in the development and implementation of telemedicine in this area. Among other things, he has helped a number of countries to develop systems for telemedicine, electronic patient records, health libraries and decision support for health professionals.



Paul Chaffey is the CEO of Abelia which is a trade and employers association associated with Norway's largest employers organisation; the NHO (Confederation of Norwegian Business and Industry). Abelia is a non-profit and a non-party political organisation. Abelia is dedicated to improving the business environment for its member companies in the knowledge- and technology based sector, and to promoting the industry's contribution to economic growth and social progress.



Keynote speakers

Ross Anderson is Professor of Security Engineering at the University of Cambridge Computer Laboratory. He was one of the pioneers of security economics, of peer-to-peer systems, of API attacks on cryptographic processors, and of the study of hardware tamper-resistance. He has a long-standing interest in the safety and privacy of clinical information systems, having been an adviser to both the British and Icelandic Medical Associations during the 1990s.



Claus Duedal Pedersen is the head of MedComs International department. Over 10 years of experience in the communication technologies have made Claus Duedal Pedersen an effective and productive manager. During the 1990s he worked extensively with quality development, user surveys and evaluations at the Development Section at the county of Funen.



Anne Kirah will also give us a Keynote presentation.

TTeC 2008 Conference Programme

Sunday 8 June		
Time	Place	
18:00-21:00	NST	Pre-conference Tutorial: Twenty years of Telemedicine in Tromsø

Monday 9 June		
Time	Place	
08:00		Registration
08:00		Opening Conference Exhibition
09:00-09:30	Tromsøsal	Opening Session
09:30	Tromsøsal	Innovation JAM Researchers, industry and politicians meet to discuss Innovative eHealth and Telemedicine Services, Applications and Products
09:30-11:30	Tromsøsal	Clayton M. Christensen, Professor at Harvard Business School: How to Meet the Growing Crises in Health Care Through the Use of Disruptive Innovation
11:30-12:00	Exhibition area	Coffee/tea break
12:00-12:30	Tromsøsal	Bill Crouse, MD, Senior Director, Worldwide Health, Microsoft Corporation: Future Vision for Health
12:30-13:00	Tromsøsal	Mark Mattingley-Scott, IBM, Global Technology Services: The impact of telemedicine on society
13:00-14:00		Lunch
14:00-14:20	Tromsøsal	Dr. Najeeb M.A. Al-Shorbaji, World Health Regional Office for the Eastern Mediterranean: Affordable approaches to e-health
14:20-14:40	Tromsøsal	Anne Kirah, Head, Future Alliance, Denmark: Bridging the Heart and Mind: Innovating with People
14:40-15:00	Tromsøsal	Paul Chaffey, Abelia, Norway: Innovation in eHealth in Norway
15:00-15:20	Tromsøsal	Dag Terje Andersen, The Norwegian Minister of Trade and Industry: (TBC) Title TBA
15:20-15:50	Exhibition area	Coffee/tea break
15:50-17:30	Tromsøsal	The Jamming Session
20:00	Fjellheisen	Get-together

Tuesday 10 June		
Time	Place	
08:00		Registration
09:00-10:30	Tromsøsal	KEYNOTE SESSION Anne Kirah, Head, Future Alliance, Denmark: Meaning Mining Rebels: Exploring people-centric concept Ross Andersson, Professor of Security Engineering at the University of Cambridge, Computer Lab., UK: Privacy in the Health Net: Searching for evil Chair: Artur Serrano
10:30-11:00	Exhibition Area	Coffee/tea break

Tuesday 10 June continued		
Time	Place	
11:00-12:30 Parallel Session 1	Tromsøsal 1	PARALLEL SESSION 1: Shared-Care Systems for Health Care Professional and Patients Chair: TBA
		<p>João Paulo Cunha, Departamento de Electrónica, Telecomunicações e Informática/Universidade de Aveiro, Portugal: (TBC) Improving continuity of care through electronic clinical communication in the Aveiro region - Full paper presentation</p> <p>Jeroen Hoebeke, IBBT - Ghent University/ IBCN, Ghent, Belgium: A new concept towards secure personal healthcare platforms - Short paper presentation</p> <p>Beate Nyheim, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: Net- based guidance for improving ulcer care - Short paper presentation</p> <p>Leonard Witkamp, KSYOS TeleMedical Centre, Amsterdam, The Netherlands: Teledermatology helps doctors and hospitals to serve their clients - Short paper presentation</p> <p>Christiaan Kuun, Meraka Institute-Council for Scientific and Industrial Research, Pretoria, South Africa: Development of a HIV/Aids Health Information Spoken Dialogue System in Botswana - Short paper presentation</p> <p>Albert Alonso, Hospital Clínic, Barcelona, Spain: A knowledge-acquisition framework to facilitate the development and reengineering of care plans in electronic format - Short paper presentation</p>
11:00-12:30 Parallel Session 2	Tromsøsal 2	PARALLEL SESSION 2: Ambient Assisted Living Chair: Gunnar Hartvigsen
		<p>Taxiarchis Botsis, University of Tromsø, Department of Computer Science, MI&T Group, Norway: Telehomecare technologies for the elderly: milestones and challenges - Full paper presentation</p> <p>Barnabas Takacs, MTA SZTAKI/VHI Group, Budapest, Hungary: Home robots and ambient interfaces: Towards building a novel telehealth platform for drug compliance - Full paper presentation</p> <p>Alison Bowes, University of Stirling, Stirling, Scotland: Telecare for older people: promoting independence, participation and identity? - Short paper presentation</p> <p>Doan Hoang, University of technology, Sydney, Australia: An Active Grid Infrastructure for Elderly Care - Full paper presentation</p> <p>Josephine Dries, TNO Information and Communication Technology, Delft, The Netherlands: Online instruments supporting independent living: Dutch examples - Short paper presentation</p> <p>Elena Martinelli, R&S Info, Parma, Italy: Ambient Assisted Living from a Business Point of View - Short paper presentation</p>
11:00-12:30 Parallel Session 3	Rambergan	PARALLEL SESSION 3: Round Table Student Session Chairs: Per Hasvold and Aksel Tjora
		<p>Taridzo Chomutare, Department of Computer Science, University of Tromsø, Norway: A Context-Sensitive Framework for Mobile Terminals for Assisting Type 2 Diabetes Patients</p> <p>Nicol Nijland, University of Twente, Enschede, The Netherlands: Experiences of patients and caregivers with an interactive web-based diabetes support program</p> <p>Anne-mie Sponselee, Fontys University of Applied Sciences, Venlo, the Netherlands: Features for Effectiveness of Telecare to increase Well-being</p> <p>Saskia Kelders, University of Twente, Enschede, The Netherlands: The effects of a digital triage system and computer generated self care advice on women with urinary incontinence</p> <p>Anna Gund, Chalmers University of Technology, Gothenburg, Sweden: Care@Distance - Disease Management for CHF Patients</p>
11:00-12:30 Parallel Session 4	Tromsøsal 3	PARALLEL SESSION 4: Workshop: European network on eHealth consumer trends
		<p>The aim of the workshop is to disseminate the project results and the lessons learned. Further the workshop will initiate a platform for those interested in eHealth trends research from a citizens' point of view.</p> <p>Read more about the workshop on the conference website.</p>

Tuesday 10 June continued		
Time	Place	
12:30-13:30		Lunch
13:30-15:00 Parallel Session 5	Tromsøsal 1	PARALLEL SESSION 5: Innovative eHealth and Telemedicine Services, Applications and Products 1 Chair: Eirik Årsand
		Daniele Giansanti, Technology and Health Department, The Italian National Institute of Health, Roma, Italy: Health technology assessment in digital tele-ecocardiography: validation of an automatic tool for the image quality assessment - Full paper presentation
		Daniele Giansanti, Technology and Health Department, The Italian National Institute of Health, Roma, Italy: Tele-pathology requires specific training in the master of cytology - Full paper presentation
		Mario Savastano, Reserarch Council of Italy - Institute of Bio-Structures and Bio-Images (CNR-IBB), Napoli, Italy: Critical Id-Management factors in eHealth applications - Full paper presentation
		Marie Hansen and Nana Rasmussen , Aalborg University, Aalborg, Denmark: Extracting Number of Trial Participants from Abstracts of Randomized Controlled Trials - Full paper presentation
13:30-15:00 Parallel Session 6	Tromsøsal 2	PARALLEL SESSION 6: Computer-Supported Cooperative Work 1 Chair: Sture Pettersen
		Terje Solvoll, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: Investigating strategies for reducing interruptions from mobile communication systems in surgical wards - Full paper presentation
		Lévay Ákos, Applied Logic Laboratory, Budapest,Hungary: (TBC) Embedded systems, Middleware and Chronic Disease Management - Short paper presentation
		Monika Alise Johansen, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: An exploratory study of disease surveillance technology in Norway - Full paper presentation
		Eli Larsen, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: Critical look at the core health record - Short paper presentation
13:30-15:00 Parallel Session 7	Tromsøsal 3	PARALLEL SESSION 7: Workshop: Situational feedback for enhancing patient self-management using mobile phones - the webbased connection and traditional sms
		In this workshop we aim to present the background, developed ICT interventions and required technological specifications needed to help patients with IBS or fibromyalgia to enhance self-management. Read more about the workshop on the conference website.
15:00-15:30	Exhibition area	Coffee/tea break
15:30-17:30 Parallel Session 8	Tromsøsal 1	PARALLEL SESSION 8: Innovative eHealth and Telemedicine Services, Applications and Products 2 Chair: Line Linstad
		Uwe Tränkler, Technische Universität München, Germany: Video Quality of 3G Videophones for Telephone Cardiopulmonary Resuscitation - Full paper presentation
		Velio Macellari, Istituto Superiore di Sanità, Rome, Italy: A promising approach exploiting UML potentialities for continuity in health-care delivery - Full paper presentation
		Klaske van Vuurden, Department of Computer Science, University of Tromsø, Tromsø, Norway: Models for automatic detection of infectious diseases at an early stage in disease progression - Short paper presentation
		Shabbir Syed, University of Tromsø, Tromsø, Norway: From telemedicine mobile units to telemedicine handbag - Short paper presentation
		Janne Rasmussen, MedCom International, Odense, Denmark: Creating an eBay® for Radiology - Short paper presentation
		Mascha Bethke, Swiss Center for Telemedicine MEDGATE, Basel, Switzerland: Can Telebiometry improve Doctors' Adherence to Guidelines? Experience with a Disease Management for Hypertension - Short paper presentation
		Janne Rasmussen, MedCom International, Odense, Denmark: Better Breathing - Better Quality in Care for COPD patients - Short paper presentation

Tuesday 10 June continued		
Time	Place	
15:30-17:30 Parallel Session 9	Tromsøsal 2	PARALLEL SESSION 9: Shared-Care Systems and Patient Empowerment Chair: Birthe Dinesen
		Stefan Sävenstedt, Department of health science, Luleå Technical University, Sweden: The COGKNOW Day Navigator: An evaluation of the first research cycle - Short paper presentation Timo Rimner, Swiss Center for Telemedicine MEDGATE, Basel, Switzerland: Use of patient-provided pictures in general clinical teleconsultation - Short paper presentation Thomas Schopf, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: Eczema counselling via the internet - telemedicine as a tool in home care eczema counselling - Short paper presentation Saskia Kelders, University of Twente, Enschede, The Netherlands: Decision support and self-management of self-limiting diseases via a web-based system for digital triage in primary care - Short paper presentation Thomas Schopf, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: www.skintumor.info - a new multilingual website for public education, serving early detection of skin cancer in a multilingual Europe - Short paper presentation
15:30-17:30 Parallel Session 10	Tromsøsal 3	PARALLEL SESSION 10: Workshop: Ambient Assisted Living Joint Programme, 2008-2013 (AAL)
		AAL is a new European technology and innovation funding programme involving 22 countries. AAL addresses the needs of the ageing population and the role of ICT in prolonging an active and independent life. The aim of the workshop is to present the work programme and first call, and discuss future challenges for AAL, from business models to changing demands for products and services among Europeans 65+. Read more about the workshop on the conference website.
19:30	Tromsøsal	Conference dinner

Wednesday 11 June		
Time	Place	
09:00-11:00 Parallel Session 11	Tromsøsal 1	PARALLEL SESSION 11: Sensor-Based Systems and Mobile eHealth Services Chair: Geir Østengen
		Sandra Morelli and Daniele Giansanti, Technology and Health Department, The Italian National Institute of Health, Roma, Italy: A sensorized home care system for the telemonitoring and telerehabilitation of the hand supporting an interactive biofeedback software tool - Full paper presentation Eirik Årsand, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: Designing Mobile Dietary Management Support Technologies for People with Diabetes - Full paper presentation Daniele Giansanti and Michele Triventi, Technology and Health Department, The Italian National Institute of Health, Roma, Italy: A novel user-friendly step-counter for HOME-CARE-telemonitoring OF Physical Activity - Full paper presentation Rianne Huis in 't Veld, Roessingh Research and Development, Enschede, The Netherlands: Myotel: remotely supervised treatment of neck shoulder pain by assessing and feedback sEMG in the daily (work) environment - Short paper presentation Peter Brønnum Nielsen, Department of Health Science and Technology, Aalborg University (AAU), Aalborg, Denmark: Development of clinical scenarios utilizing Participatory Design for the use of a wearable sensor - Short paper presentation Jimmie Hagblad, Mälardalen University, Västerås, Sweden: Wireless ECG-monitoring during daily activities - Short paper presentation Daniele Giansanti and Michele Triventi, Technology and Health Department, The Italian National Institute of Health, Roma, Italy: SMS-based platform for blood pressure, heart rate, blood glucose and physical activity hme-monitoring - Short paper presentation

Wednesday 11 June continued		
Time	Place	
09:00-11:00 Parallel Session 12	Tromsøsal 2	PARALLEL SESSION 12: New Directions for eHealth Policies: Legal/Political Issues, Diffusion of Innovation, Implementation of Cross-Border Health Services Chair: TBA
		Lars Hulbæk, MedCom, Odense, Denmark: Service Oriented Architecture - a new infrastructure for the electronic exchange of information in Danish healthcare - Short paper presentation Jacqueline Visser, Roessingh Research and Development, Enschede, The Netherlands: Implementing a broadband video-teleconsultation service for transmural communication concerning children with posture and movement disorders - Short paper presentation Vigdis Heimly, Norwegian University of Science and Technology, Department of Computer and Information Science, Trondheim, Norway: The electronic referral. Standardisation, Innovation and Deployment - Full paper presentation Paolo Zanaboni, Department of Management, Economics and Industrial Engineering, Polytechnic of Milan, Italy: Assessment models for telemedicine services in National Health Systems - Short paper presentation
09:00-11:00 Parallel Session 13	Tromsøsal 3	PARALLEL SESSION 13: Computer-Supported Cooperative Work 2 Chair: Jeremiah Scholl
		Line Lundvoll Nilsen, Norwegian Centre for Telemedicine, University Hospital of North Norway, Tromsø, Norway: Teleconsultation - collaborative work and opportunities for learning across organizational boundaries - Full paper presentation Christina Groth, Clintec, Karolinska Institute, Sweden: The role of the technology in Video-mediated consensus meetings - Full paper presentation Yanina Besstrashnova, Federal State Institute, Saint Petersburg Scientific and Practical Centre of Medical and Social Expertise, Saint Petersburg, Russia: Cooperative decision making in complicated cases of children medical-social expertise - Full paper presentation Pradeep Ray, Asia-Pacific ubiquitous Healthcare research Centre (APuHC), University of New South Wales, Australia: Awareness modelling of collaborative mobile e-Health - Full paper presentation Bridget Kane, Department of Computer Science, Trinity College, Dublin, Ireland: Is it easier to offer expert opinion in teleconference? - Short paper presentation Pøemysl Kršek, DCGM, Faculty of Information Technology, Brno University of Technology, Brno, Czech Republic: Virtual Collaborative Environment for 3D Planning and Modeling of Surgeries - Short paper presentation
11:00-11:30	Exhibition area	Coffee/tea break
11:30-12:30	Tromsøsal	CLOSING KEYNOTE SESSION Claus Duedal Pedersen, Head of MedCom, Denmark: The Experience of Medcom: A Danish, Nordic or European achievement? Chair: Gunn-Hilde Rotvold
12:30-13:30		Lunch
13:30-17:00	Tromsøsal and NST	PARALLEL WORKSHOPS AND VISIT TO NST
		Workshop: HL7 Standards Take-up for Innovative eHealth Services Workshop: AAL from an Healthcare Point-of-view Workshop: Open Innovation in eHealth - building a global R&D ecosystem Visit to NST

Please note that the programme is subject to revisions.

Visit the TTeC website at www.telemed.no/ttec2008 for the latest programme updates.

Social Events

Get-together Monday 9 June at Fjellheisen

Meet the other conference participants at Tromsø's most spectacular viewpoint. From Fjellheisen at about 400 meters above sea level, you can see the whole city, its fjords and jagged peaks.

Weather permitting, you may enjoy hours of evening sun above Kvaløya to the west while you are enjoying the company of fellow participants and tapas dishes - North Norwegian style.

The get-together starts at eight in the evening, and you may take the cable car up to Fjellheisen, starting from Solliveien (Solli road) in Tromsdalen. A bus will take you from the city centre over to the mainland. If you choose to walk from the city centre, this should take you about half an hour.

For those of a rougher disposition, we can offer a guided hike up to Fjellheisen, taking a path that first turns south, offering a grand view of the fjords and mountains to the south, before turning northwards again to the get-together. This hike should take us an hour and a half at the most, and you should bring sturdy hiking boots and a windproof jacket. We will be starting the hike from the cable car ground station at six thirty in the afternoon.

The get-together is included in the conference registration fee.

Conference banquet Tuesday 10 June

Starting with an aperitif at 7.30 p.m. there will be served fish or meat in "Tromsøsal" at Radisson SAS, depending on your choice on the registration form when you sign up for the conference.

The fish course will be Catfish Norwegian with a cream sauce, shrimps, mussels, vegetables and almond potatoes. For the meat course, we have chosen beef sirloin with herb butter, vegetables and baked potatoes. Dessert is of course included.

The banquet is not included in the conference fee and will cost 795 Norwegian kroner.

Exhibition/Sponsorship

We can offer a limited number of exhibition opportunities for suppliers who would like to present their products to the telemedicine community. TTeC 2008 offers exhibitors the opportunity to put their products and services on display to our intended participants within the areas of research, industry, health and decision making.

TTeC is renowned as a perfect place for meeting and networking and we expect 400-500 participants.

We have opened up for one main sponsor and several other exhibitor/sponsor options.

The exhibition area is open during the whole conference. All exhibitors will form an integral part of the event, which will be located within the main conference area - to maximize and encourage networking opportunities throughout all conference breaks.

Please note that all prices exclude VAT.

Main sponsor/exhibitor (Only 1 sponsor/exhibitor)

- 12 m² (129 sq. feet) stand space within the foyer area
- Modular wall panels
- Spotlights and electrical connection(s) (220V)
- Wireless LAN
- 1 display for brochures, 1 table and 2 chairs
- Conference participation all 3 days for 2 persons including lunch
- Banquet and get-together free of charge for 2 persons
- Company logo on all published conference material, both electronic and printed
- Publication of company logo on TTeC 2008 website including hyperlink
- Inscription in official sponsor guide
- Time slot in programme day two - 15 minutes
- NOK 150 000

Regular sponsor/exhibitor options

- 4 m² (43 sq. feet) space within the foyer area
- Modular wall panels
- Spotlights and electrical connection(s) (220V)
- Wireless LAN
- 1 display for brochures, 1 table and 2 chairs
- Conference participation all 3 days for 1 person including lunch and get-together



Photo: Bård Løken, Destinasjon Tromsø



- Publication of company logo on TTeC 2008 Sponsor/exhibitor website including hyperlink
- Inscription in official sponsor guide
- NOK 23650

Other spaces can also be arranged individually by contacting Tromsø Event.

All equipment above is provided by the organizers. Additional equipment must be arranged with a local supplier.

Additional options

- Advertisement in conference book (maximum 8 ads) A5 (by 20 May 2008): NOK 8500,-
- Enclosure in conference folder for all delegates, A4 (10 g) (by 1 June 2008): NOK 5500,-
- Your company logo with link on the front page of our website: NOK 8000,-
- Sponsorship of "get-together", lunch, dinner or cultural event. Prices and details to be arranged individually.

For further information about sponsoring/exhibiting, please contact Tromsø Event AS, c/o Turid Kirkhaug, tel: +47 41 28 87 38, e-mail: turid@tromsoevent.com.

About Tromsø

Tromsø - capital of culture and mountaineering

Situated at 69 degrees north, Tromsø is the largest and most culturally diverse city in North Norway. With its more than 60 000 inhabitants, plus almost 10 000 students from the college and the world's northernmost university, the city's vibrancy makes a profound impression on any visitor, summer or winter.

Flying into Tromsø, you cannot help being fascinated by the mountain-ranges encircling the island that makes up the main part of the city. In fair weather, you can also see the peaks of the Lyngen Alps rising in the east. The closeness to this dramatic scenery is the reason why mountaineering is very popular in Tromsø.

Along with a very strong cultural vibrancy, peaking with the Tromsø International Film Festival in January and Bukta - Tromsø Open Air Festival in July, our fascination with nature can often result in visitors seeing people enjoying a cold beer after a hike to a 3000 foot peak, still with their climbing boots on.



Photo: Bård Løken, Destinasjon Tromsø

The midnight Sun - The city of light

In the city centre, you can see the midnight sun every year from 21 May to 21 July, if the weather treats us kindly.

Actually, it is possible to bathe in all night sunshine from around 15 May to the end of July if you scramble to the top of one of the many peaks around the city. You may also go by car to Sommarøya (Summer Island), which is about an hour drive to the southwest. A nightly trip to this old fishery community is anyway highly recommended if the weather is good.

The two months of uninterrupted light is matched only by the two months of darkness called "Mørketida", From 21 November to 21 January, when the sun is below the horizon all the time, Tromsø is almost wrapped in darkness. Or rather, this is the perfect time to experience the wonderful shades of blue in the middle of the day or the Northern Light, Aurora Borealis, that casts its magic red and greenish hue across a clear night sky.



Photo: Jan Fredrik Frantzen, NST

Climate - the city of snow

Even though Tromsø was earlier the usual starting point for scientific and commercial voyages into the Arctic, winters here are more about snow than about freezing temperatures. In 1997, we had a record amount of snow as late as 30 April. Want to guess how deep the snowpack was? 2,40 meters or about eight feet of snow covered the city...

The Norwegian coastline's strike of luck is the Gulf Stream, that warms up our waters making it possible to travel by boat all year round and keeping temperatures mild. If we had not been fortunate enough to be continually visited by the Gulf Stream, our coastline would be packed with ice during winter, as is the case with the Gulf of Bothnia and the White Sea in Northern Russia.

In June, at the time of the Tromsø Telemedicine and eHealth Conference, you can expect fair, mild weather and quite possibly a glimpse of the Midnight Sun. But you should also be prepared for chilly nights, so bringing a woolen sweater and a pair of mittens is never a bad idea.



Photo: Jarl-Stian Olsen, NST

More information about Tromsø

If you are interested to see what else Tromsø can offer, check out www.destinasjonstromso.no for a list of attractions, current events and other tourist information. They have updated information in both Norwegian and English.

Practical Details

Registration and payment

Register for TTeC 2008 at the conference website: www.telemed.no/ttec2008. Regular registration fee is NOK 6400,-. Payment can be made with Visa or MasterCard.

Language

The conference language will be English. No interpretation will be provided.

Conference venue and accommodation

The conference will be held at Radisson SAS Hotel in the centre of the city. The conference hotels are Radisson SAS Hotel and Clarion Collection Hotel With. Prices include breakfast.

Conference registration

Conference registration will take place in the conference venue.

Technical staff

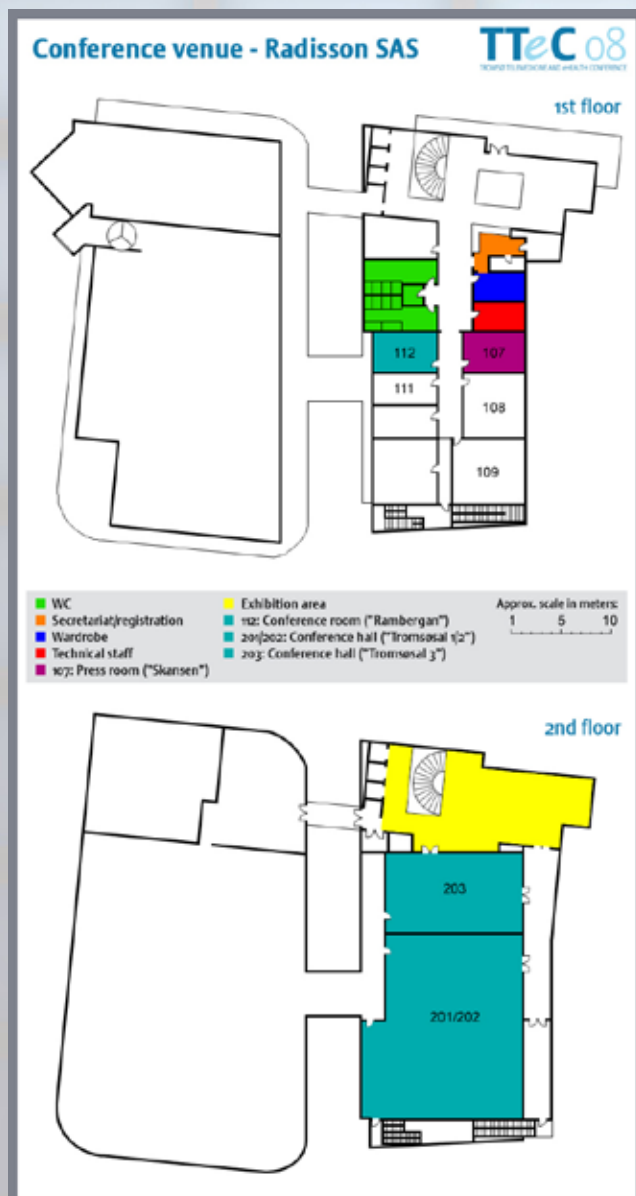
Technical staff will be available during all sessions. Please direct all other queries for technical assistance to the conference information desk. Presenters who have not submitted their PowerPoint presentations in advance report to the conference information desk at arrival.

Lunches

All lunches will be at the conference venue.

Internet café

An Internet café is available in the conference venue. Several of the hotels have internet access for guests.



Committees

Conference Chair: Steinar Pedersen, Head of Norwegian Centre for Telemedicine.

Scientific committee

- Chair: Prof. J Artur Serrano, University of Tromsø (NO)/Norwegian Centre for Telemedicine (NO)/University of Aveiro (PT)
- Prof. Aksel Tjora, Norwegian Centre for Telemedicine/NTNU (NO)
- Prof. Alexander Horsch, Department of Medical Statistics and Epidemiology, Munich University of Technology (GE)
- Prof. António de Sousa Pereira, University of Aveiro (PT)
- Artur Furtado, Project and policy officer, Unit C2 Health Information, Directorate C Public Health and Risk Assessment, Directorate-General Health and Consumer Protection, European Commission (LU)
- Dr. Aud Obstfelder, Norwegian Centre for Telemedicine (NO)
- Betsy van Dijk, University of Twente (NL)
- Assistant Professor Birthe Dinesen, Aalborg University (DK)
- Catherine E. Chronaki, Institute of Computer Science, Foundation for Research and Technology (FORTH)(GR)
- Prof. Cornelia Ruland, Rikshospitalet (NO)
- Eirik Årsand (NO), Norwegian Centre for Telemedicine (NO)
- Ellen K. Christiansen, Norwegian Centre for Telemedicine (NO)
- Prof. Francesco Amenta, University of Camerino (IT)
- Prof. George Demiris, Biobehavioral Nursing and Health Systems, School of Nursing & Biomedical and Health Informatics, School of Medicine University of Washington BNHS, Seattle (USA)
- Prof. Gunnar Ellingsen (NO)
- Prof. Gunnar Hartvigsen, University of Tromsø (NO)
- MD. Inger Torhild Gram, Senior Consultant Norwegian Centre for Telemedicine/Professor University of Tromsø (NO)
- Jan von Overbeck, Zentrum für Telemedizin MEDGATE(CH)
- Jeremiah Scholl, Norwegian Centre for Telemedicine (NO)
- Prof. Joao Paulo Cunha, University of Aveiro (PT)
- Johan Gustav Bellika, Norwegian Centre for Telemedicine (NO)
- Prof. José Luis Oliveira, University of Aveiro (PT)
- Per Hasvold, Norwegian Centre for Telemedicine (NO)
- Prof. Per Hjortdahl, University of Oslo (NO)
- Dr. Petra Wilson, Public Sector Healthcare (Europe) Internet Business Solutions Group
- Prof. Robert Rudowski, Department of Medical Informatics and Telemedicine, Medical University of Warsaw (PL)
- Prof. Rolf Wynn, University of Tromsø (NO)
- Prof. Dr. Tony Ghaye, Reflective Learning - UK, Overton Business Centre, England
- Tove Sørensen, Norwegian Centre for Telemedicine (NO)
- Velio Macellari, ISS - Istituto Superiore di Sanità (Italian Institute of Public Health)

Programme Committee

- Chair: Siri Bjørvig, Norwegian Centre for Telemedicine (NO)
- Geir Østengen, Norwegian Centre for Telemedicine (NO)
- Eva Henriksen, Norwegian Centre for Telemedicine (NO)
- Per Hasvold, Norwegian Centre for Telemedicine (NO)
- Robert Myrvang, Norwegian Centre for Telemedicine (NO)
- Tove Normann, Norwegian Centre for Telemedicine (NO)
- Vibeke Hemmingsen, Norwegian Centre for Telemedicine (NO)

Organization Committee

- Vibeke Hemmingsen, Norwegian Centre for Telemedicine (NO)
- Siri Bjørvig, Norwegian Centre for Telemedicine (NO)
- Jarl-Stian Olsen, Norwegian Centre for Telemedicine (NO)
- Stein-Arne Igesund, Norwegian Centre for Telemedicine (NO)
- Hilde Pettersen, Norwegian Centre for Telemedicine (NO)

Contact information

Practical information:

Vibeke Hemmingsen
Phone: +47 957 34 614
Fax: +47 77 75 40 98
E-mail: vibekeh@telemed.no

Postal address:

Norwegian Centre for Telemedicine
University Hospital of North Norway
P.O. Box 35
N-9038 Tromsø
NORWAY

Programme details:

Siri Bjørvig
Phone: + 47 971 64 725
Fax: + 47 77 75 40 98
E-mail: siri.bjorvig@telemed.no

Registration/Sponsorship/Trade exhibition:

Tromsø Event AS
Kapteinvn. 33
9014 Tromsø
Contact person: Turid Kirkhaug
Phone: +47 41 28 87 38
turid@tromsoevent.com

For updated info about our conference, please visit www.telemed.no/ttec2008

Programme at a glance

MONDAY 9 JUNE		
INNOVATION JAM Researchers, industry and politicians meet to discuss Innovative eHealth and Telemedicine Services		
GET-TOGETHER 20:00 at Fjellheisen.		
TUESDAY 10 JUNE		
KEYNOTE SESSION Anne Kirah, Head, Future Alliance, Denmark. Ross Andersson, Professor of Security Engineering at the University of Cambridge Computer Laboratory.		
Shared-Care Systems for Health Care Professional and Patients	Ambient Assisted Living	Workshop: European network on eHealth consumer trends
Innovative eHealth and Telemedicine Services, Applications and Products 1	Computer-Supported Cooperative Work 1	Workshop: Situational feedback for enhancing patient self-management using mobile phones
Innovative eHealth and Telemedicine Services, Applications and Products 2	Shared-Care Systems and Patient Empowerment	Workshop: Ambient Assisted Living Joint Programme, 2008-2013 (AAL)
CONFERENCE DINNER 19:30 at Tromsøsal		
WEDNESDAY 11 JUNE		
Sensor-Based Systems and Mobile eHealth Services	New Directions for eHealth Policies: Legal/Political Issues, Diffusion of Innovation, Implementation of Cross-Border Health Services	Computer-Supported Cooperative Work 2
CLOSING KEYNOTE SESSION Claus Duedal Pedersen, Head of MedCom, Denmark.		
WORKSHOPS AND VISIT TO NST Workshop: HL7 Standards Take-up for Innovative eHealth Services (13:30-17:00) Workshop: AAL from an Healthcare Point-of-view (13:30-17:00) Workshop: Open Innovation in eHealth - building a global R&D ecosystem (13:30-17:00) Visit to NST (13:30-17:00)		