

Scientific program					
Time	Monday				
10.00	Conference opening				
10.30	Key note: David Caple - Ergonomics - a proactive challenge				
11.00	Key note: Karen Jacobs - School ergonomics				
11.30	Lunch				
12.00	Exhibitions				
13.00	A1: Workshop: "Safe start" Prevention of accidents and musculoskeletal pain (at school and) early in working life	B1: Risk assessment and Transportation	C1: Workshop: VIOLM - Visually Impaired Online Learning Model	D1: Usability/ Digital human modelling	E1: Aviation
	A1.1 Which aspects are important for pupils at school to have a "Safe start" in working life? Karen Jacobs	B1.1 Video assisted analysis of work as a part of participatory design processes – Two cases from the transportation branch. Arto Reiman, Ari Putkonen, Kari Lindström, Janne Pekkala and Seppo Väyrynen.	C1.1 Introductions – Mr. Kjell Thorvaldsen , General manager IncludeAll VIOLM Visually Impaired Online Learning Model. Rahul Singh , The University of North Carolina at Greensboro.	D1.1 Use of digital human modelling and consideration of anthropometric diversity in Swedish industry. Erik Bertilsson, Erik Svensson, Dan Högberg and Lars Hanson.	E1.1 Validation of an on-board taxi guidance system. Marcus Biella.
	A1.2 Work accidents among young construction workers. Kari Anne Holte	B1.2 Participatory risk assessment and accident statistics – A case study at transportation branch. Janne Pekkala, Arto Reiman and Seppo Väyrynen.	C1.2 Beyond Accessibility: A cognitive approach to improve Usability through User Driven Innovation for Blind and Visually Impaired Users of the Information Society Rahul Singh and Rakesh Babu	D1.2 Review of the incorporation, utilization and future demands of ergonomic evaluation methods in Digital Human Modelling. Erik Svensson, Erik Bertilsson, Dan Högberg and Lars Hanson.	E1.2 Controller-Pilot Data Link Communication – (TAXI-CPDLC) Joern Jakobi.
	A1.3 Musculoskeletal pain of artisans from school into working life. Therese Hanvold. Bo Veiersted	B1.3 Use of one guideline as reference for reducing ergonomic risk factors in repetitive work and heavy lifting in freight transport companies. Inger Helene Gudding and Arve Lie	C1.3 The Web for the Blind and Visually Impaired User. Mr. Birkir Rúnar Gunnarsson (blind power user), Include-All.	D1.3 Ergonomics and usability of single channel pipettes. Erja Sormunen and Nina Nevala.	E1.3 Understanding the influence of screen surface area and information density on pilot's visual scanning behaviour. Koen van de Merwe and Antoine de Reus
	A1.4 Discussion.	B1.4	C1.4 Accessibility and Usability Issues for the Blind, Rahul Singh UNCG	D1.4	E1.4

Time	Monday				
14.30	Exhibitions				
15.00	A2: Workshop: Ergonomics in Schools and schoolbuildings. NEHF	B2: Risk groups and ergonomic indicators in the petroleum industry:	C2: Workshop: VIOLOM - Visually Impaired Online Learning Model	D2: Ergonomics and productivity.	E2: Visual Ergonomics
	A2.1 The influence of ambient lighting on pupils in classrooms - considering lighting quality and use of energy. Tommy Goven	B2.1 The Regulations clearly state can't people read?" A review of the comprehensibility of offshore regulations and proposals for improvement. Adam Balfour	C2.1 Harnessing the Power of the BVI User, Rahul Singh UNCG	D2.1 Lean Working Environments – An Empirical Study of 24 Companies Implementing Lean. Mikael Brännmark	E2.1 Self registered visual-, muscular- and balanceproreceptive complaints in low vision patients. Christina zetterlund, Hans Richter and Lars-Olov Lundqvist
	A2.2 Building for learning. Som facts and several questions. Siv Marit Stavem	B2.2 Introducing an ergonomic risk indicator used in the oil and gas industry. The Petroleum Safety Authority Norway's approach to operations with high risk regarding develop musculoskeletal pain. Hilde Heber and Ola Kolnes	C2.2 The Power of the BVI User – Economic, Social and Technological importance of the BVI to improve the Information Society. Rahul Singh, UNCG	D2.2 Proactive ergonomics at Scania. Lena Nord Nilsson	E2.2 Eye-neck interactions triggered by gaze control during visually deficient computer work conditions probed by path analysis Hans Richter, Christina Zetterlund and Lars-Olov Lundqvist.
	A.2.3 Discussion: NEHF is responsible for this session and will lead the discussion. Will pick up the discussion from where we left at Ergonomidagen 2008 about school buildings and bring the discussion further.	B2.3 Physical workload in Rope Access Technique. Hilde Heber and A.P. Louwe Kooijmans.	C2.3 Using skills of blinds and visually impaired to develop Non Visual Interaction for the mobile Internet and other Web Media. Mr. Birkir Gunnarsson (Include-all) and Rahul Singh UNCG.	D2.3 Cost/Benefit Analysis of Ergonomic Improvements Marc Turina and Brent Altemose.	E2.3 Glare from strong laser pointers pose danger. Per Nylén and Jörgen Thaug.
		B2.4 Regulatory approach to improve working conditions for groups exposed to risk – within the Norwegian oil and gas industry. Irene B. Dahle, Siri Wiig, Elisabeth Lootz, Hilde Heber and Ola Kolnes	C2.4 Concluding remarks. Birkir Gunnarsson Include-All; Rahul Singh, UNCG	D2.4 Boundary objects in participatory ergonomics design processes Ole Broberg, Rikke Seim and Vibeke Andersen.	E2.4 Annual meeting: Network for Visual Ergonomics
16.30	End day one				

Time	Tuesday				
09.00	Welcome day 2				
09.15	Key note: Pete Kercher - Design for all - Universal Design				
09.45	Key note: J.P. Liyanage - Human Factors towards the 21st century				
10.15	Exhibitions				
10.45	A3: Universal design	B3: Work Environment Authorities	C3: The future office	D3 Safety and Production	E3: Visual ergonomics
	A3. Identifying the "limit users" in the Design for All Approach: the "Ability/Difficulty Table" Giuseppe Di Bucchianico.	B3.1 Market Surveillance with ergonomics focus at the Swedish Work Environment Authority Tomas Rosenblad.	C3.1 The Healthy Office Of The Future. Anders Berget	D3.1 Human Factors Management Principles. Karl James Rich	E3.1 Comparing visual symptoms and eye blinking in young adults performing visually demanding tasks on a laptop computer in two relative humidity (RH) situations. Magne Helland, Gunnar Horgen, Asbjørn Skogstad, Wijnand Eduard
	A3.2 Using the "Ability/Difficulty Table" in the Design for All Approach: two practical examples Giuseppe Di Bucchianico, Marco Gregori and Emilio Rossi.	B3.2 Ergonomic knowledge documents. Monica Brox and Anne Langedrag	C3.2 Who is in control? The effect of employee participation on the quality of the work environment. Ole Busck, Herman Knudsen and Jens Lind	D3.2 Infrastructures for Production Ergonomics: a Metaphor. Cecilia Berlin	E3.2 Flicker - how does it affect us humans? Hillevi Hemphälä and Per Nylén.
	A3.3 Exploring relations between Ergonomics and Systems Oriented Design. Birger Sevaldson and Tom Vavik	B3.3 Focus on ergonomics in bathrooms. Olaug Iren Fossbakk.	C3.3 The Interplay Between Recovery Needs, Fatigue and Work-Family Balance: Working Compressed and Extended Weeks in the Norwegian Petroleum Industry – A Study Protocol. Suzanne Merkus, Brita Gjerstad and Kari Anne Holte.	D3.3 A systematic approach of safety culture. Linda Törnström and Diana Engström	E3.3 Asthenopia induced by visually demanding VDU work: Association with muscle activity and muscle blood flow in orbicularis oculi Hanne- Mari Schiøtz Thorud, Magne Helland, Horgen Gunnar, Arne Aarås, Tor Martin Kvikstad and Lars Göran Lindberg.
	A3.4 Some visual and perceptual factors in universal design. Reidulf Watten and Knut Inge Fostervold	B3.4 Ergonomic Risk Assessment. Roar Hellem.	C3.4	D3.4 Organizing continuity and avoiding interruptions Tiina Kalliomäki-Levanto.	E3.4 The effect of glare on binocular vision. Susanne Glimne, Rune L. Brautaset, Jan Ygge and Gunnar Öquist-Seimyr
12.15	Lunch				

Time	Tuesday			
13.00	A4: Workshop Universal Design/ Design for all: Gjøvik University College	B4: Ergonomics in the offshore industry	C4: Manual Work - load ergonomics	D4 - NES Student Prize - presentation of the national winners and appointing the NES 2010 Student Prize winner
	A4.1	B4.1 The activity point of view helping offshore platforms projects. Gislaine Silva, Carolina Conceição and Francisco Duarte.	C4.1 Load Lifting and Moving in Manufacturing Packaging Processes. Henrijs Kalkis and Atis Saulītis.	D4.1 Student Prize winner Sweden: Karin Ekman
	A4.2	B4.2 The role of ergonomics in the oil and gas industry – an overview. Arne Jarl Ringstad.	C4.2 Application of Myotonometric Method for Assessment of the Muscle Tone and Fatigue for Woodworkers. Valdis Kalkis, Zenija Roja and Henrijs Kalkis.	D4.2 Student Prize winner Denmark: Maja Sasser
	A4.3	B4.3 Design of a new control centre for the Troll A platform by human factors based design process. Arno Pont.	C4.3 Ergonomic changes and their consequences in a Swedish meat cutting plant. Kjerstin Vogel, Johan Karlton and Jörgen Eklund.	D4.3 Student Prize winner Norway: High school students' lap top use and possible visual impairments. Pål Bang, Jarl Berg, Elisabeth Eldrup, Åsne Elvesæter, Hege Kvile.
	A4.4 Annual Meeting: Network for Universal Design	B4.4 Development of guidelines from ergonomic analysis to workspace design in the offshore accommodations module. Carolina Conceição, Ole Broberg and Francisco Duarte.	C4.4 Technical and organisational system solutions for deboning and their ergonomics implications. Johan Karlton.	

Time	Tuesday				
14.30	Exhibitions				POSTER SESSION::
15.00	A5: Built Environment	B5: Risk assessment and accident prevention	C5: Manual Work - load ergonomics	D5 Human Reliability Assessment (HRA)	Can ergonomic information, visual correction andn prismatic lenses reduce head flexion and perceived exertion during dental work? M. Gustavson, G.-Å. Hanson, A. Lindegård.
	A5.1 Flexible Hospital - Building, Environment and user interaction Francesca Plantamura and Adriana Baglioni	B5.1 How to decrease the risk of accidents in complex systems - an ongoing project. Håkan Alm.	C5.1 Optics with prisms - results and experiences from four years of exploring. Per Johan Petterson.	D5.1 Advancing Human Reliability Analysis in industry. Kristian Schulerud Gould	
	A5.2 Effectiveness of mobile radiation cooling panel Mitsuyuki Kawakiami, Kimihiro Yamanaka and Mi-Kyong Park.	B5.2 Accident rate and incident ratio development in process industry: Case Northern Finland Maarit Niemelä, Jukka Latva-Ranta and Seppo Väyrynen.	C5.2 Identifying the affecting factors on physical comfort experience: A case study on a stick mixer. Ahmadpour, Naseem, Babapour, Maral, Anna Lisa Osvalder	D5.2 Human Reliability Analysis in the Nuclear Power Industry. Hella Aho Mathiesen.	
	A5.3 Multi professional teamwork ensured the Kaskenlinna hospital planning and building process. Tuulia Koponen.	B5.3 Training of ergonomists in doing work-place risk assessments adopted for the use in occupational health services Allan Toomingas	C5.3 Perineal pressure when sitting on different chairs. Anders Berget.	D5.3 Human Reliability Assessment in Industry Accident Investigations. James Bunn	
	A5.4 Supporting Change and Transition Management Centre Implementation at Johannesburg Airport. Toby Garner and Joanne Stokes.	D5.4E-Learning for italian health care workers; a first experiment Edda Capodaglio and Maria Cristina Mazzoleni.	C5.4 Seating pressure distribution for different chair types Marie Jalkanen	D5.4 Human Reliability Analysis in Offshore Drilling Operations. Bjarte Knappen Røed and Kristian Gould	
16.30	End day 2				
16.45	NES General Assembly Annual Meeting				

Time	Wednesday
09.00	Opening Day 3
09.15	Key note: Gunnar Horgen - Visual Ergonomics: expansion of the field.
09.45	Key note: Dordi Høivik - Health, safety and environment culture and proactive ergonomics
10.15	Winner of NES Prize 2010 Presentation
10.45	Break
11.15	Presentation of NES 2011
11.30	Closing ceremony
12.00	Lunch