John Paulin Hansen - DTU Orbit (17/02/2019)

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Department of Management Engineering - Professor, Group Leader
Transport DTU
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Research outputs:

Pupillary measurement during an assembly task
Research output: Research - peer-review › Journal article – Annual report year: 2019

Gaze typing in virtual reality: Impact of keyboard design, selection method, and motion
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Head and gaze control of a telepresence robot with an HMD
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

A Fitts' law study of click and dwell interaction by gaze, head and mouse with a head-mounted display
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

A gaze interactive assembly instruction with pupillometric recording
Research output: Research - peer-review › Journal article – Annual report year: 2018

Bicycles and Wheelchairs for Locomotion Control of a Simulated Telerobot Supported by Gaze- and Head-Interaction
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Computer-Implemented Method of Recovering a Visual Event
Research output: Research › Patent – Annual report year: 2018

Substantiating reading teachers with scanpaths
Research output: Research - peer-review › Article in proceedings – Annual report year: 2018

Dynamic Bluetooth beacons for people with disabilities
Research output: Research - peer-review › Article in proceedings – Annual report year: 2017
Gaze-Controlled Flying
Research output: Research - peer-review › Journal article – Annual report year: 2013

Gaze Tracking Through Smartphones
Research output: Research - peer-review › Article in proceedings – Annual report year: 2013

Talkingbadge
Research output: Research - peer-review › Journal article – Annual report year: 2013

Collecting location-based voice messages on a TalkingBadge
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Conclusion and Look to the Future
Research output: Research - peer-review › Book chapter – Annual report year: 2012

Demo of Gaze Controlled Flying
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Gaze input for mobile devices by dwell and gestures
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Methods and Measures: An Introduction
Research output: Research - peer-review › Book chapter – Annual report year: 2012

TalkingBadge demo
Research output: Research - peer-review › Article in proceedings – Annual report year: 2012

Evaluating gaze-based interface tools to facilitate point-and-select tasks with small targets
Skovsgaard, H., Mateo, J. C. & Hansen, J. P. 2011 In : Behaviour and Information Technology. 30, 6, p. 821-831
Research output: Research - peer-review › Journal article – Annual report year: 2011

Evaluation of a remote webcam-based eye tracker
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Gaze interaction from bed
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011
Low Cost vs. High-End Eye Tracking for Usability Testing
Research output: Research - peer-review › Article in proceedings – Annual report year: 2011

Evaluation of a low-cost open-source gaze tracker
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Gaze-based interaction with public displays using off-the-shelf components
Research output: Research › Paper – Annual report year: 2010

Interaction with mainstream interfaces using gaze alone
Jensen, H. T. S. H., Mateo, J. C. & Hansen, J. P. 2010
Research output: Research › Paper – Annual report year: 2010

Single gaze gestures
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

Small-target selection with gaze alone
Research output: Research - peer-review › Article in proceedings – Annual report year: 2010

COGAIN2009 - "Gaze interaction for those who want it most": The 5th International Conference on Communication by Gaze Interaction, Under the auspices of The COGAIN Association, May 26, 2009 Proceedings, The Technical University of Denmark, The ITMAN Graduate School, Lyngby, Danmark
Research output: Research › Report – Annual report year: 2009

Gaze Control for Work and Play
Research output: Research - peer-review › Editorial – Annual report year: 2009

Gaze-controlled Driving
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2009

Implementering af teknologi til mennesker med handicaps: Internationale forskningsresultater vedrørende implementeringsprocesser og anbefalinger til design af systemer
Skovsgaard Hegner Jensen, H. T., Hansen, J. P. & Tall, M. 2009 Socialt Udviklingscenter SUS.
Research output: Commissioned › Report – Annual report year: 2009

Learning gaze typing: what are the obstacles and what progress to expect?
Cognitive modeling of ship navigation and its application to risk analysis
Research output: Research › Article in proceedings – Annual report year: 1999

Cognitive modelling of a ship navigator based on protocol and eye-movement analysis
Research output: Research - peer-review › Journal article – Annual report year: 1998

Analysis of ship navigation based on cognitive modeling
Research output: Research › Article in proceedings – Annual report year: 1997

Cognitive task analysis of ship navigation by use of verbal protocols and eye-movement data
Research output: Research › Article in proceedings – Annual report year: 1995

Comparing transfer of training of a standard control panel and a touchscreen panel
Andersen, H. B. & Hansen, J. P. 1996 11 p. (Denmark. Forskningscenter Risoe. Risoe-R; No. 917(EN)).
Research output: Research - peer-review › Report – Annual report year: 1996

Multi-modal recording and analysis of interaction among operators and work systems
Andersen, H. B. & Hansen, J. P. 1996 12 p. (Denmark. Forskningscenter Risoe. Risoe-R; No. 939(EN)).
Research output: Research - peer-review › Report – Annual report year: 1996

An experimental investigation of configural, digital, and temporal information on process displays
Hansen, J. P. 1995 In : Human Factors. 37, p. 539-552
Research output: Research - peer-review › Journal article – Annual report year: 1995

Building a cognitive model of dynamic ship navigation on basis of verbal protocols and eye-movement data
Research output: Research › Article in proceedings – Annual report year: 1995

Cognitive task analysis by use of verbal protocols and eye-movement data and its application to ship navigation task
Research output: Research - peer-review › Journal article – Annual report year: 1995

Eye-gaze control of multimedia systems
Research output: Research › Article in proceedings – Annual report year: 1995

Fleksible kontrolpaneler sparer penge og øger sikkerheden til lands til vands og i luften
Research output: Communication › Journal article – Annual report year: 1995

Flexible control panels save money and increase safety
Research output: Communication › Journal article – Annual report year: 1995
Multi-modal recording and analysis of operator data
Research output: Research - peer-review › Article in proceedings – Annual report year: 1995

Nesting of configural, digital and temporal process information: The time tunnel example
Research output: Research › Article in proceedings – Annual report year: 1995

Nesting of configural, digital and temporal process information: The time tunnel example
Hansen, J. P. 1995
Research output: Research › Conference abstract for conference – Annual report year: 1995

Representation of system invariants by optical invariants in configural displays for process control
Research output: Research › peer-review › Book chapter – Annual report year: 1995

Requirements to experimental facilities
Hansen, J. P. 1995
Research output: Research › Conference abstract for conference – Annual report year: 1995

Simulation of skill acquisition in sequential learning of a computer game
Research output: Research - peer-review › Journal article – Annual report year: 1995

Sjælens spejl kan styre tv
Hansen, J. P. 1995 In : Ingeniøren. 21, 47, p. 12-13
Research output: Communication › Journal article – Annual report year: 1995

The use of eye gaze control in public systems
Hansen, J. P. 1995
Research output: Research › Conference abstract for conference – Annual report year: 1995

Tryk på en knap
Andersen, H. B. & Hansen, J. P. 1995 In : Maskinmesteren. 11, p. 12-14
Research output: Communication › Journal article – Annual report year: 1995

Ecological interface design: Visualisation of domain knowledge and mental strategies based on a cognitive analysis of expert tasks
Research output: Research - peer-review › Book – Annual report year: 1994

Ergonomiundersøgelser i simulatører
Hansen, J. P. 1994 In : Nordisk Ergonomi. 12, 1, p. 3-6
Research output: Research › Journal article – Annual report year: 1994

Eye movement recordings used for simulator validations
Hansen, J. P. 1994
Research output: Research › Conference abstract for conference – Annual report year: 1994
Fremtidens brugergrenseflader
Hansen, J. P. 1994
Research output: Research › Conference abstract for conference – Annual report year: 1994

MULTIMO: Multi-model technologies for recording and analysing operator behaviour
Research output: Research › Conference abstract for conference – Annual report year: 1994

Perception og interaktion
Hansen, J. P. 1994
Research output: Research › Conference abstract for conference – Annual report year: 1994

Udvikling af fremtidens HMI i fly
Hansen, J. P. 1994
Research output: Research › Conference abstract for conference – Annual report year: 1994

Virkelig kunstighet
Research output: Communication › Journal article – Annual report year: 1994

A generic multi-media concept for eye tracking technologies
Research output: Research › Conference abstract in proceedings – Annual report year: 1993

Anæstetistens perception: Hvad ser han/hun faktisk?
Research output: Research › Journal article – Annual report year: 1993

Cognitive aspects of learning and cooperation in simulated ship manoeuvring
Research output: Research › Article in proceedings – Annual report year: 1993

Cognitive aspects of learning and cooperation in simulated ship manoeuvring
Research output: Research › peer-review › Conference abstract in proceedings – Annual report year: 1993

Eksempler på samspillet mellem simultane og sekventielle kognitive processor
(Working papers in cognitive science and HCI. WPCS-93-8).
Research output: Research › peer-review › Book – Annual report year: 1993

Kognitive ergonomiundersøgelser i simulatør
Research output: Research › Article in proceedings – Annual report year: 1993

Undersøgelse af en fuldskala-simulators potentialer ved arbejdsanalyse og personaletræning inden for det maritime område
Hansen, J. P. 1993
Research output: Research › Conference abstract for conference – Annual report year: 1993
Validating the cognitive fidelity of simulated realities
Research output: Research - peer-review › Article in proceedings – Annual report year: 1993

Validering af virtuelle verdeners kognitive realisme
Hansen, J. P. 1993
Research output: Research › Conference abstract for conference – Annual report year: 1993

Virkelig kunstighed
Hansen, J. P. 1993 In : Weekendavisen. 19-25 November
Research output: Communication › Journal article – Annual report year: 1993

Virtuelle verdener og simulering
Hansen, J. P. 1993
Research output: Research › Conference abstract for conference – Annual report year: 1993

A methodological approach to the verification of cognitive models by simulating computer game playing
Research output: Research - peer-review › Book chapter – Annual report year: 1992

Information nesting in configural interfaces for process control
Hansen, J. P. 1992 28 p. (Denmark. Forskningscenter Risoe. Risoe-R; No. 616(EN)).
Research output: Research › Report – Annual report year: 1992

På Risø kigger de ikke kun atomer
Hansen, J. P. 1992
Research output: Research › Conference abstract for conference – Annual report year: 1992

The use of maritime simulators for training and personal evaluation: The importance of simulator fidelity
Hansen, J. P. 1992
Research output: Research › Conference abstract for conference – Annual report year: 1992

Datamaskiner skal integrere logiske procedurer og intuitive genkendelser
Research output: Research › Journal article – Annual report year: 1991

Et øje-bliks informationer
Hansen, J. P. 1991 In : NORSIM. Medlemsblad for NTS. 4, 1, p. 13-16
Research output: Communication › Journal article – Annual report year: 1991

Graphical remembering: Making the past present in order to see the future
Research output: Research - peer-review › Article in proceedings – Annual report year: 1991

Simulation of cognitive behaviour in computer games
Research output: Research › Article in proceedings – Annual report year: 1991
The use of eye mark recordings to support verbal retrospection in software testing
Hansen, J. P. 1991 In : Acta Psychologica. 76, p. 31-49
Research output: Research - peer-review › Journal article – Annual report year: 1991

Hints for cognitive modelling of skill learning
Research output: Research › Article in proceedings – Annual report year: 1990

Mental workload and decision making
Research output: Research › Article in proceedings – Annual report year: 1990

Øjenbevægelser viser hvordan vi tænker
Hansen, J. P. 1990 In : Risønyt. 1, p. 4-5
Research output: Research › Journal article – Annual report year: 1990

Optagelser af visuelle orienteringer
Research output: Research › Journal article – Annual report year: 1990

Datamater og dannelse
Hansen, J. P. 1989 In : Dansk Psykolog Nyt. 43, 18, p. 563
Research output: Research › Journal article – Annual report year: 1989

Krop og kognition
Hansen, J. P. 1989 In : Dansk Psykolog Nyt. 43, 18, p. 564
Research output: Research › Journal article – Annual report year: 1989

Perspectives on Analog Interfaces
Research output: Research › Article in proceedings – Annual report year: 1989

Viden-indhentning og -modellering: Et nyt arbejdsmål for psykologer?
Research output: Research › Journal article – Annual report year: 1989

Projects:

Communication keyboards for people with special needs
Bafna, T., Hansen, J. P., Bækgaard, P. & Puthusserypady, S.
Institut stipendie (DTU)
01/04/2018 → 31/03/2021
Project: PhD

Patient Training for Gaze Controlled Telepresence
Zhang, G., Hansen, J. P. & Bardram, J. E.
Forskningsrådss stipendium
01/02/2018 → 31/01/2021
Project: PhD
GazeIT: GazeIT – Accessibility by Gaze Tracking
Hansen, J. P.
01/04/2016 → 31/03/2021
Project: Research

Enhancing Creativity - Metacognitive Training for Innovation Practitioners?
Valgeirsdottir, D., Onarheim, B., Li-Ying, J., Hansen, J. P., Ball, L. & Runco, M. A.
Institut stipendie (DTU)
01/12/2014 → 16/04/2018
Project: PhD

Design and implementation of personal networked information appliance interfaces
Larsen, J. E., Rose, M., Frøkjær, E., Hansen, J. P. & Havn, E. C.
DTU-lønnnet stipendie
01/11/1999 → 22/04/2005
Project: PhD

Design methods for supporting the adaption and design of products for emerging markets
Li, X., Li-Ying, J., Hansen, J. P., Jensen, T. A., Daalhuizen, J. & Kandachar, P.
Eksternt finansieret virksomhed
01/12/2013 → 07/09/2017
Project: PhD

Methods to support creative processes at the early stages of product development
Institut stipendie (DTU)
01/12/2013 → 30/09/2018
Project: PhD

Activities:

Gaze interaction with textual user interface
Hansen, J. P. (Lecturer)
21 Aug 2015
Activity: Talks and presentations › Conference presentations

Prizes:

Vanførefondens Forskerpris 2018
John Paulin Hansen (Recipient), 23 May 2018
Prize: Prizes, scholarships, distinctions