

Resume for Dag Svanæs

Name: Dag Svanæs (English: Svanaes)
Born: 20. Feb. 1959
Nationality: Norwegian
Current position: Professor (tenured)
Department of Computer and Information Science
NTNU, 7491 Trondheim, Norway
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Degrees: Ph.D. in Computer Science ("Doctor Philos.") NTNU. Cross-disciplinary thesis on interactivity (2000).
Master of Science in Electronics NTH (1982).

Relevant experience:

2000-present Professor/ Associate Professor, IDI-NTNU.
2010-present Part-time professor, IT-University of Copenhagen, Denmark.
2004-present Head of Health Usability Laboratory at NSEP Research Centre, Trondheim.
2001-2002 One year as professor in Interaction Design and Director of Teaching Programme, Interaction Design Institute Ivrea, Italy.
1999-2000 Visiting researcher at Interval Research, Palo Alto, USA. Visiting Lecturer at Stanford University.
1990-95 Consulting for Nordic Council and SINTEF Research, Oslo on the user-centred design of user interfaces for disabled users.

Relevant memberships: ACM SIGCHI, Norwegian member in IFIP TC13 (HCI), NordiCHI steering committee, in program committee on a number of conferences in HCI and IxD.

Relevant PhD supervision: Yngve Dahl - Context-aware computing for healthcare (2007), Gry Seland – Drama and prototyping in design (2010), Ole Alsos – User interfaces for point-of-care (2011), Anita Das – Social media for obesity patients (2015).

Membership in academic and professional committees, misc.:

- Norwegian representative in IFIP TC 13 (Human-Computer Interaction).
- On the editorial board of the journals *Interacting with Computers* (Cristin level 2) and *Digital Creativity* (Cristin level 1).
- Conference co-chair of NordiCHI 2006 in Oslo. Permanent member of the steering committee of NordiCHI.
- Chair of the 5th International Symposium on Human Factors Engineering in Health Informatics, Trondheim, August 2011. In cooperation with MIE 2011 in Oslo.
- Opponent on 17 PhDs: Delft Technical University, Århus University, University of Oslo, Ålborg University, Lund University, KTH, Uppsala University, K3 - Malmö University, and NTNU.
- 2010, 2013 and 2014, 2015: External evaluator for the Swedish National Agency for Higher Education (HSV), in 2014 as leader of the expert group.
- Reviewer and meta-reviewer for a number of conferences, including CHI, NordiCHI, Nordes, TEI, CSCW, Interact and PDC.

Fields of interest

My main field of interest is in the area of Human-Computer Interaction (HCI) and Interaction Design (IxD), with a special emphasis on health related product. Prior research interests include Logic Programming, Educational Software, and End-User Programming. Currently my research interests and activities are in the following five areas (all within HCI/IxD):

- Embodied Interaction and the philosophical foundations of Interaction Design.
- Usability Engineering in Health Informatics.
- User-centred and participatory design – methods and tools.
- Ubiquitous Computing.
- The organizational aspects of User-centred and participatory design.

Selected academic publications:

- Peer-reviewed journals:

1. Skjæret, N., Nawaz, A., Ystmark, K., Dahl, Y., Helbostad, J. L., Svanæs, D., & Vereijken, B. (2015). Designing for Movement Quality in Exergames: Lessons Learned from Observing Senior Citizens Playing Stepping Games. *Gerontology*, 61(2), 186-194.
2. Das, A., Svanæs, D. (2013) Human-centred methods in the design of an e-health solution for patients undergoing weight loss treatment. *International Journal of Medical Informatics*, Volum 82.(11) s. 1075-1091
3. Svanæs, D. (2013) Interaction design for and with the lived body: Some implications of Merleau-Ponty's phenomenology. *ACM Trans. Comput.-Hum. Interact.* 20, 1 (presented at CHI 2013).
4. Alsos, O.A., Das, A., Svanæs, D.(2011) Mobile health IT: The effect of user interface and form factor on doctor-patient communication. *International Journal of Medical Informatics*.
5. Roemen, D., Svanæs, D. (2011) Validating WCAG versions 1.0 and 2.0 through usability testing with disabled users. *Universal Access in the Information Society*, 1-11.
6. Dahl, D, Alsos, OA., Svanæs, D. (2009) Evaluating Mobile Usability: The Role of Fidelity in Full-Scale Laboratory Simulations with Mobile ICT for Hospitals. *Human Computer Interaction; New trends*. Springer 2009 ISBN 978-3-642-02884-7.
7. Svanaes, D., O. A. Alsos, et al. (2008). Usability testing of mobile ICT for clinical settings: methodological and practical challenges. *International Journal of Medical Informatics*, Special issue on Human Factors.
8. Dahl, Y. and D. Svanaes (2008). A Comparison of Location and Token-Based Interaction Techniques for Point-of-Care Access to Medical Information. *Personal and Ubiquitous Computing*, Springer.
9. Alsos, O. A. and D. Svanaes (2006). Interaction techniques for using handhelds and PCs together in a clinical setting. *Proceedings of the 4th Nordic conference on Human-computer interaction: changing roles*. NordiCHI 2006. Oslo, Norway, ACM Press.
10. Dahl, Y., D. Svanaes, et al. (2006). Designing Pervasive Computing for Hospitals: Learning from the Media Affordances of Paper-based Medication Charts. *the 1st International Conference on Pervasive Computing technologies for Healthcare*, IEEE.
11. Svanaes, D. and G. Seland (2004). Putting the users center stage: role playing and low-fi prototyping enable end users to design mobile systems. *Proceedings of the SIGCHI conference on Human factors in computing systems*. CHI'04. Vienna, Austria, ACM Press

- Peer-reviewed conferences:

12. Nawaz, A., Skjæret, N., Ystmark, K., Helbostad, J. L., Vereijken, B., & Svanæs, D. (2014, October). Assessing Seniors' User Experience (UX) of Exergames for Balance Training. In Proceedings of the 8th Nordic Conference on Human-Computer Interaction: Fun, Fast, Foundational (pp. 578-587). ACM.
13. Mullane A., Laaksolahti, J., Svanæs, D. (2014) Wearable probes for service design, ServDes'14.
14. Ling, R., & Svanæs, D. (2011). Browsers vs. apps: The role of apps in the mobile internet. Internet and society: Challenges, transformation and development.
15. Das, A., Faxvaag, A., Svanæs, D. (2011) Interaction design for cancer patients: do we need to take into account the effects of illness and medication? Proceedings of the 2011 annual conference on Human factors in computing. (CHI 2011).
16. Das, A., Faxvaag, A., Svanæs, D. (2011) Management of Weight-Loss: Patients' and Healthcare Professionals' Requirements for an E-health System for Patients. HCII 2011. Springer Verlag. LNCS.
17. Alsos, O.A., Svanæs, D. (2011) Designing for the secondary user experience. INTERACT 2011.
18. Svanaes, D. and J. Gulliksen (2008). Understanding the context of design: Towards tactical user-centered design. Proceedings of NordiCHI 2008. Lund, ACM Press.
19. Roemen, D. and D. Svanaes (2008). Evaluating Web Site Accessibility: Validating the WAI Guidelines through Usability Testing with Disabled Users. Proceedings of NordiCHI 2008. Lund, ACM Press.
20. Svanaes, D., A. Das, et al. (2008). The Contextual Nature of Usability and its Relevance to Medical Informatics. Proceedings of MIE 2008, 21th International Congress of the European Federation for Medical Informatics. Amsterdam: IOS Press Publisher, Stud Health T Info

- Other:

Svanaes, D. (2015) A day in the Lab: NTNU Health Informatics Usability and Design Lab, Interactions, 22(3), pp. 16-19, ACM.

Svanaes, D. (2013). Philosophy of interaction. *The Encyclopedia of Human-Computer Interaction, 2nd Ed.* (Peer reviewed encyclopedia entry, commented by Don Norman).