

## Professor Gunnar Hartvigsen. Publications 2000 – 2007 (Selected)

### Journal papers

- Bellika, J.G., Hartvigsen, G., Widding, R.A. The Virtual Library Secretary – A user model based software agent. *Personal Technologies*, Vol. 2, No. 3 (September 1998), 162-187.
- Bellika, J.B., Bønes, E., Hartvigsen, G. PaSent – The Patient's Personal Health Advisor. *Journal of Telemedicine and Telecare*, Vol. 8, Suppl. 2, 41-43 (2002). (J Telemed Telecare. 2002;8 Suppl 2:41-3.)
- Bellika, J.G., Hartvigsen, G., Norum, J. Using discharge letters and context representation in information retrieval of medical literature. *Studies in Health Technology and Informatics*, Vol. 95, 373-378.
- Bellika, J.G., Sletteng, Ø., Hartvigsen, G. Patient Diary as Tool for Patient Empowerment. *Journal of Telemedicine and Telecare*, Vol. 10, Suppl 1, 2004, p. 97.
- Bellika, J.G., Hartvigsen, G. The Oncological Nurse Assistant: A Web-Based Intelligent Oncological Nurse Advisor. *Studies in Health Technology and Informatics*, 2004, Vol. 107, 573 -577.
- Bellika, J.G., Hartvigsen, G. The oncological nurse assistant: A web-based intelligent oncological nurse advisor. *International Journal of Medical Informatics* 2005;74:587-595
- Årsand E, Walseth OA, Andersson N, Fernando R, Granberg O, Bellika JG, Hartvigsen G. Using blood glucose data as an indicator for epidemic disease outbreaks. *Studies in Health Technology and Informatics*, 2005;116:217-22.
- Bellika, J.G., Hasvold, T., Hartvigsen, G. Propagation of program control: A tool for distributed disease surveillance. *International Journal of Medical Informatics*. 2007;76:313-329.
- Bellika, J.G., Sue, H., Bird, L., Goodchild, A., Hasvold, T., Hartvigsen, G. Properties of a Federated Epidemiology Query System. *International Journal of Medical Informatics*. 2007.

### International Conferences

- Bellika, J.B., Hartvigsen, G. Integration of Electronic Patient Records – The DiPato Approach. Proceedings of the 5th TEHRE Conference (TEHRE 2000) (“Toward An Electronic Health Record Europe 2000”) (London, November 12-15, 2000) Medical Records Institute, Newton, MA, USA. pp. 160-165.
- Bellika, J.B., Bønes, E., Hartvigsen, G. PaSent – The Electronic Patient Record as the Patient's Health Adviser. Proceedings of the 6th TEHRE Conference (TEHRE 2001) (“6th Annual European Health IT Conference and Exposition”) (London, November 11-14, 2001) Medical Records Institute, Newton, MA, USA. pp. X-Y.
- Bellika, J.B., Bønes, E., Hartvigsen, G. PaSent – The Patient's Personal Health Advisor. Proceedings of Telemed '02 Conference (London, January 29-30, 2002). Royal Society of Medicine, London, UK. pp. 68-71.
- Hartvigsen, G., Måseide, A. Web pages and the disappearance of social reality: An analysis of its moral implications. Paper presented at Making Common Ground: methodological and ethical challenges in internet research. Nordic interdisciplinary workshop at NTNU, Trondheim, 1. - 2. June 2002
- Bellika, J.G., Hartvigsen, G., Norum, J. Using discharge letters and context representation in information retrieval of medical literature. I: Baud, R., Fieschi, M., Le Beux, P., Ruch, P. (eds.) *The New Navigators: from Professionals to Patients*. Proceedings of MIE 2003 (May 5-8, Saint-Malo, France). IOS Press.
- Olsen, B.I., Eggen, A.E., Bellika, J.G., Angermo, P., Weij, M.v.d., Hartvigsen, G. An electronic health record-based system for automatic monitoring and control of medication.

- ICICTH 2003 (Samos, Hellas, 11-13. juli 2003), side 147-151.
- Bellika, J.G., Hartvigsen, G. The Oncological Nurse Assistant: A Web-Based Intelligent Oncological Nurse Advisor. 11th World Congress on Medical Informatics (MEDINFO 2004), (San Francisco, Sept 7-11, 2004). (Medinfo. 2004;11(Pt 1):573-7.)
- Årsand, E., Walseth, O.A., Andersson, N., Fernando, R., Granberg, O., Bellika, J.G., Hartvigsen, G. Using blood glucose data as an indicator for epidemic disease outbreaks. Proceedings of MIE 2005 (Geneva, 28-31. Sept. 2005). Amsterdam: IOS. pp. 217-222.
- Årsand, E., Hartvigsen, G. A wearable eHealth system for people with Type 2 diabetes. Proceedings of SHI 2005 (Aalborg, Denmark, 25-26. Aug. 2005). Virtual Centre for Health Informatics, Aalborg Universitet, 82-85. (ISBN 87-986264-5-0)
- Olsen, B.I., Lund, N.W., Hartvigsen, G. Analyzing Health Care Information Needs Within a Computer Supported Cooperative Work Framework using Documentation Theory. DocAm '05, South Hall, University of California, Berkeley, October 7-9, 2005.
- Olsen, B.I., Lund, N.W., Hartvigsen, G. Analyzing Health Care Information Needs within a Computer Supported Cooperative Work Framework using Documentation Theory. Published as short paper (8 pages) at COOP '06.
- Henriksen, J., Bellika, J.G., Gurrin, C., Hartvigsen, G. Open Source Software - The future of medical imaging? EuroPACS 2006: The 24th International EuroPACS Conference (Trondheim, Norway, June 15-17, 2006).
- Hartvigsen, G. Challenges in telemedicine and eHealth: Lessons learned from 20 years with telemedicine in Tromsø. Proceedings of 4th Scandinavian Conference on Health Informatics ( SHI 2006) (Aalborg, Denmark, 24-25. Aug. 2006). Virtual Centre for Health Informatics, Aalborg Universitet, 34-36. (ISBN 87-986264-7-7)
- Granberg, O., Bellika, J.G., Årsand, E., Hartvigsen, G. Automatic Infection Detection System for Proceedings of Medinfo 2007, 20-24 August 2007, Brisbane, Australia.
- Hartvigsen, G., Johansen, M., Hasvold, P., Bellika, J.G., Årsand, E., Arild, E., Gammon, D., Pettersen, S., Pedersen, S. Challenges in telemedicine and eHealth: Lessons learned from 20 years with telemedicine in Tromsø. Proceedings of Medinfo 2007. 20-24 August, 2007, Brisbane, Australia.
- Walderhaug, S., Mikalsen, M., Hartvigsen, G., Agedal, J. Improving Interoperability in Healthcare with Model Driven Software Development for HealthCare. Proceedings of Medinfo 2007, 20-24 August 2007, Brisbane, Australia.

### **Abstracts on International Conferences**

- Hartvigsen, G. A Smart Home Infrastructure for Increased Quality of Life in Senior Citizens' Private Homes: The Good Room Approach. Proceeding of the 7th Circumpolar University Co-operation Conference (CUA'01) (Tromsø, Norway, August 19-21, 2001). (Abstract)
- Eggen, A.E., Hartvigsen, G., Olsen, B.I. "A remote controlled pill dispenser for telecare." 4th Nordic Congress on Telemedicine (Nortelemed 2002) (30.9-2.10, Tromsø) (Abstract)
- Hartvigsen, G. "A telecare infrastructure for private homes." 4th Nordic Congress on Telemedicine (Nortelemed 2002) (30.9-2.10, Tromsø) (Abstract)
- Bellika, G., Bønes, E., Hartvigsen, G., Norum, J., Skorpen, S. "Empowering the patient: How to provide patients with personalized medical information" 4th Nordic Congress on Telemedicine (Nortelemed 2002) (30.9-2.10, Tromsø) (Abstract)
- Olsen, B.I., Eggen, A.E., Bellika, J.G., Angermo, P., Weij, M.v.d., Hartvigsen, G. "Automatic Monitoring and Control of Medication". Proceedings of the 1st Tromsø Telemedicine Conference (TTC2003) / 8th International Conference on the Medical Aspects of Telemedicine. Proceeding TTC2003 Side 116. (Abstract)
- Helle, S.R., Hartvigsen, G. SymboPaD – A Symbol-based Patient Diary for Children. Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (Tromsø, Norway, 21-23

- June, 2004). (Abstract)
- Sletteng, Ø., Hartvigsen, G. PanDa – A Patient Diary for Control with Medication. Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (Tromsø, Norway, 21-23 June, 2004). (Abstract)
- Falao, K.V., Hartvigsen, G. My Home is my Hospital. Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (Tromsø, Norway, 21-23 June, 2004). (Abstract)
- Lund, S.Z.S., Krogstad, T., Weij, M. van der, Hartvigsen, G. Integration of Sensordata in PanDa Patient Diary. Second Tromsø Telemedicine and eHealth Conference (TTeC2004) (Tromsø, Norway, 21-23 June, 2004). (Abstract)
- Bellika, J.G., Sletteng, Ø., Hartvigsen, G. Patient Diary as Tool for Patient Empowerment. Successes and Failures in Telehealth. 4th Annual International Conference. Brisbane, Australia, 22-23 July 2004. (Abstract)
- Hartvigsen, G., Falao, K.V. My Own Hopital: Turning Private Homes into Hospitals. IAHSA Sixth International Conference: Creative Solutions for an Ageing Society: Sharing the Wisdom. Trondheim, Norway, 27-29 June 2005. (Abstract)
- Horsch, A., Ellingsen, G., Hartvigsen, G., Hasvold, P. Insight and Experience Gained from Clinical Telemedicine Applications. Submitted The Healthware Project: Improving connectivity with remote areas for equitable access to health services, 6th April 2006 – Luxembourg.
- Hartvigsen, G. "Computer Science Behind Your Science". Communicating Science and Technology (CST2006), (Tromsø, 060606) (Abstract)
- Bellika, J.G., Hartvigsen, G. (2006). A decentralised model for EHR data integration. 6th Nordic Conference on eHealth and Telemedicine "From Tools to Services" (Helsinki, Finland, 31 August - 1 September 2006). (Abstract)

#### **Posters at International Conferences**

- Helle, S.R., Hartvigsen, G. SymboPaD – A Symbol-based Patient Diary for Small Children. Posters at MIE 2005 (Geneva, Sept. 2005). (Award for best poster)
- Bellika, J.G., Larsen, E., Olsen, B.I., Hartvigsen, G. Compiling medication lists using distributed search. MIE 2006.

#### **Books**

- Hartvigsen, G. Forskerhåndboken. Kristiansand: HøyskoleForlaget, 1998. (The Researcher's Handbook)
- Hartvigsen, G., Johansen, D., Måseide, A. Etikk og informatikk. Bergen: FagbokForlaget, 2000. (Computer Ethics)

#### **Book Chapters**

- Olsen, B.I., Lund, N.W., Bellika, J.G., Årsand, E., Hasvold, P., Ellingsen, G., Horsch, A., Hartvigsen, G. Documents in Medicine: from Paper Documents to Quality-Healthcare? In: Skare, R., Lund, N.W., Vårheim, A. (Eds.), A Document (Re)turn. Frankfurt am Main: Peter Lang, pp. 95-116. (ISBN-13: 978-3-631-56294-9)

#### **Norwegian Conferences**

- Andorsen, S., Hartvigsen, G., Nilsen, K.-E. Symbo email for small children. NIK'2002 (Kongsberg, 25-27. november, 2002). Trondheim: Tapir. s. 145-156.
- Bellika, J.G., Hartvigsen, G. SNOW Agents: Simple Network Of Working Agents . HelsIT 2004 (Trondheim, 22-23. september 2004). Rapport, Norsk senter for elektronisk pasientjournal, Trondheim.

**Submitted/Work in progress**

Hartvigsen G., Lund, N.W., Olsen, B.I. Leaving nineteenth-century understanding of documents.  
Journal paper.