

## CV

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**In management I focus on strategic leadership striving to do what is best for students, faculty and the university. At the Technical Faculty of IT and Design we have a huge interest in collaboration with the industry, both regional, nationwide and international. We are among the best universities world wide when it comes to educating engineers. We can keep our position due to the pedagogical-didactical model: PBL, where our students work on solving authentic and realistic problems.**

**Research interest:** Main research interest is within eHealth interoperability across multimodalities and multiusers. Secondary interest is within design and evaluation of solutions for multimodalities, and the use and management of big health data in these multimodalities. My research interest can be divided into five interrelated parts.  
A: eHealth interoperability through a focus on infrastructure and architecture  
B: Design of both backend and frontend i.e. databases and Clinical and Health Information Systems  
C: Evaluation of design, systems and use of systems in a multiuser perspective  
D: Modelling, analysing and developing Clinical and Health Information Systems  
E: Management of big data – making use of medical and health informatics.

### **Teaching projects:**

**Methods** Rethinking the organization of the 5th semester Bachelor of Biomedical Engineering. Due to new curriculum, the students no longer have a continual stay at the hospitals, but the students still need to have close collaboration with central stakeholders (medical staff).  
**Methods** Introduction of new teaching methods being casework used for technology learning both on first semester and on 4th semester Techno Anthropology.  
**Methods** Development of online material and teaching for partly physical and partly virtual course module at open education for Masters in health informatics.  
**Quality insurance** Development of content to our new quality insurance system (written description of semesters' content, progress and coherence) used under the study board of health, sports and technology.  
**Quality insurance** Development of group based examination at the study programmes of Medicine. The purpose to present different methods and tools to systematically conduct group based examination in the study programmes of Medicine and exchange experiences with other supervisors/examiners. Group based examination is an essential part of Aalborg University's PBL model.  
**Processes** Development of teaching processes for group formation process at Techno Anthropology 4th semester to ensure students use of their competences obtained on earlier semesters together.  
**Course development** Course development of new elective modules 'Methods and Models in clinical information systems', Master of Biomedical Engineering and Informatics, and a new elective module 'Big Data' at Techno Anthropology. Course development of a mandatory course 'Scientific methods and communication', Master of Health Science and Technology, and Semester coordinating the first Techno Anthropology 4th semester Campus Aalborg.  
**Curricula** Curricula development for new elective modules, Master of Biomedical Engineering and Informatics, 'Methods and models in clinical information systems' and 'The Semantics of Clinical Information Systems'  
**Curricula** Redesigning the curriculum for open education for Master of Information Technology in Health Informatics. Redesigning the curriculum for Bachelor of Science in Biomedical Engineering and Informatics. Redesigning the curriculum for Master of Science in Biomedical Engineering and Informatics.

### **Editorial Boards:**

2020: Proceedings of MIE2020  
2014: e-Health - for Continuity of Care : Proceedings of MIE2014. Lovis, Christian (Editor); Séroussi, Brigitte (Editor); Hasman, Arie (Editor); Pape-Haugaard, Louise (Editor); Saka, Osman (Editor); Andersen, Stig Kjær (Editor). IOS Press, 2014. (Studies in Health Technology and Informatics; No. 205).

### **Referee for Journals and conferences:**

Reviewer World Congress on Health and Medical Informatics; Medical Informatics Europe; Scandinavian Conference on Health Informatics; International Congress in Nursing Informatics; Journal of Medical Internet Research; Chairman World Congress on Health and Medical Informatics; Medical Informatics Europe; Scandinavian Conference on Health Informatics; Danish e-health conference (e-sundhedsobservatoriet)

### **Managerial / Academic / Administrative experience:**

Oct 2018-present: Member of the Board for European Federation of Medical Informatics, Role: Institutional Membership Officer, NGO

June 2018- present: Member of the Board of Danish Association for Digital Health, Role: Academic Secretary

July 2019-July 2020: Member of Scientific Programme Committee for the Congress Medical Informatics Europe

Jan 2019-present: Member of the scientific programme EU-China Health Summit for collaboration

Feb 2016-present: Member of the revision group for developing new curriculum for both the Bachelor and Master of Biomedical Engineering and Informatics programme

Feb 2016-present: Member of the Executive Committee for the Danish Centre for Health Informatics, Aalborg University

Feb 2016-present: Member of the Study Board of Health, Science and Sports at the Faculty of Medicine, Aalborg University

June 2010-Sept 2010: Member of the Technical / Local organizing Committee for SHI2010 Proceedings : 8th Scandinavian Conference on Health Informatics, 23-24 August 2010, Copenhagen, Denmark

### **Selected (recent) Oral Presentations:**

Oct 2018: Speaking/teacher at the conference for GPs in DK held by PLO about the digital possibilities to reuse patient centric data during patient-doctor consulting

May 2017: Workshop on group based examination at the study programmes of Medicine

April 2017: Presenter of the paper "Feasibility of representing a Danish microbiology model using " at the conference: MIE2017 (Informatics for Health: Connected Citizen-Led Wellness and Population Health)

Oct 2016: Speaker at a conference day for Regional Nurses in DK held by DSR on Telemedicine and Welfare

### **Prizes**

#### **Årets underviser ved Studienævn for Sundhed, Teknologi og Idræt**

Pape-Haugaard, L. (Recipient), 2018

#### **Årets underviser ved Studienævn for Teknoantropologi**

Pape-Haugaard, L. (Recipient), 2014

#### **Årets Underviser ved Studienævn for Teknoantropologi, Bæredygtig Design og Integrerede Fødevarerstudier**

Pape-Haugaard, L. (Recipient), 1 Jan 2017

### **Projects**

#### **CAPABLE: empower citizens to active use of their health information**

Moen, A. (PI) & Pape-Haugaard, L. (Project Participant)

01/04/2019 → 30/04/2022

#### **Evaluation of the data validity in a new Danish national database for early detection of infants at risk. Pre-study.**

Høstgaard, A. M. B. (Project Participant) & Pape-Haugaard, L. (Project Participant)

01/04/2011 → 01/07/2013

#### **Kvalitetssikring af data i Børnedatabasen**

Høstgaard, A. M. B. (Project Participant) & Pape-Haugaard, L. (Project Participant)

01/08/2011 → 31/01/2014

### **Research outputs**

#### **Digital personalized health and medicine: Covid-19**

Pape-Haugaard, L. B., Stoicu-Tivadar, L., Cort Madsen, I., Winter, A. & Lovis, C., 16 Jun 2020, *Digital Personalized Health and Medicine*. IOS Press, p. vii (Studies in Health Technology and Informatics , Vol. 270).

#### **Big Data udnyttes for lidt i sundhedsforskningen**

Pape-Haugaard, L. & Nielsen, P. B., 2015, In: *Medicoteknik*. 2, 4, p. 8-13

### **Exploring barriers for health visitors' adaption of the Danish children's database**

Pape-Haugaard, L., Haugaard, K., Carøe, P. & Høstgaard, A. M., 1 Dec 2013, *Studies in Health Technology and Informatics*. 1-2 ed. IOS Press, Vol. 192. 1 p. (Studies in Health Technology and Informatics).

### **Exploring barriers for health visitors' adaption of the Danish Children's Database through an empirical study**

Pape-Haugaard, L., Haugaard, K., Carøe, P. & Høstgaard, A. M. B., 2013, *Scandinavian Conference on Health Informatics 2013, 20 August 2013, Copenhagen, Denmark*. Bellika, G., Bygholm, A., Dencker, M., Fossum, M., Galster, G., Hartvigsen, G., Hejlesen, O., Karlsson, D., Koch, S. & Moe, C.-E. (eds.). Linköping University Electronic Press, p. 73-77 (Linköping Electronic Conference Proceedings; No. 91).

### **Transversal interoperability for interdisciplinarity in e-Health**

Pape-Haugaard, L., 2012, River Publishers.

### **Higher level of interoperability through an architectural paradigm shift: a study of Shared Medication Record**

Pape-Haugaard, L., 2011, *Proceedings of the 4th International Conference on Biomedical Engineering and Informatics, BMEI 2011, Volume 4, 15-17 October 2011, Shanghai, China*. IEEE Press, Vol. 4. p. 2109-2113, Article No. 6098680

### **How to ensure sustainable interoperability in heterogeneous distributed systems through architectural approach**

Pape-Haugaard, L. B. & Frank, L., 2011, In: *Studies in Health Technology and Informatics*. 165, p. 94-98

### **Interoperability through an architectural paradigm shift using shared medication record as a case**

Pape-Haugaard, L., 2011. 2 p.

### **Transversal interoperability for interdisciplinarity in e-Health: a study of models needed for interoperability in the Danish health system**

Pape-Haugaard, L. B., 2011, Medical Informatics Group. Department of Health Science and Technology. Aalborg University.

### **Conflicts between terminology and EHR information models as obstacles to semantic interoperability: a scientific review**

Pape-Haugaard, L. B., Rasmussen, A. R., Elberg, P. B. & Andersen, S. K., 2010, In: *Studies in Health Technology and Informatics*. 160, p. 1374

### **MEDINFO 2010, Cape Town, Sydafrika: kontraster og konference**

Pape-Haugaard, L. B. & Rosenbeck, K. H., 2010, In: *Medicinsk Teknologi og Informatik*. 7, 5, p. 25-28

### **Pitfalls when integrating terminology systems and EHRs**

Pape-Haugaard, L. B., Rasmussen, A. R., Rosenbeck, K. H. & Andersen, S. K., 2010, *SHI2010 Proceedings: 8th Scandinavian Conference on Health Informatics, 23-24 August 2010, Copenhagen, Denmark*. Bygholm, A., Elberg, P. & Hejlesen, O. (eds.). Trondheim: TAPIR Akademisk Forlag, p. 34-38

### **A set of minimum requirements to a national Danish IT-Architecture**

Pape-Haugaard, L. & Andersen, S. K., 2008, *Proceedings Skandinaviska hälsoinformatik- och termkonferensen 2008, [6th Scandinavian Conference on Health Informatics, 12th Swedish National Term Conference, 26-28 August 2008, Kalmar, Sweden]*. Petersson, G., Staf, O. & Svensson, J. (eds.). Högskolan i Kalmar. eHälsainstitutet, p. 51