

「高齢化社会を支える人間工学」講演会 2016

講演者 Professor Henning Boje Andersen (Technical University of Denmark)
演題 Sensor-based monitoring of elderly citizens living at home: challenges to ergonomics and the ethics of paternalism
日時 2016年10月24日(月) 15:30~17:00
場所 東京工業大学 大岡山キャンパス 西9号館607号室

アブストラクト

There is a widely recognized need for supporting elderly citizens in maintaining independent living in their own home. Improved economy, hygiene and health has increased life expectancy, and the demographics of developed countries is developing in way that the need for assisting our elderly citizens in way that protects their dignity, provides safety and comfort and yet is cost efficient becomes ever stronger every year.

In recent years, smart home technologies including indoor sensors and wearables for elderly are therefore being developed. Sensor-based remote monitoring can help informal caregivers (e.g., family and friends) and formal caregivers to detect undesired events (e.g., falls, sudden stillness, open doors ...) as well as significant deviations from normal pattern of movements or daily activities. In addition, sensors can provide motivational feedback to persuade the elderly to engage in physical or social activity. At the same time, pervasive monitoring may well be seen as intrusive and in violation of the right to privacy. While the use of intrusive technologies is made for the sake of the safety and well-fare of the elderly (paternalism) great care must be made that genuinely informed consent is obtained from the elderly and that confidentiality and data security are safeguarded.

In this talk I will describe our research in a recently started European project (<http://reach2020.eu/>) that develops a service system of modular sensing, prevention, and intervention systems that encourage the elderly to become healthy via activity (physical, cognitive, mobility).

講演者の横顔

(主な職歴)

2008年 – 現在に至る Professor, Department of Management Engineering,
Technical University of Denmark
1984年 – 2008年 Senior Scientist, Systems Analysis Department,

Risø National Laboratory, Roskilde, Denmark

(学歴)

1976 年

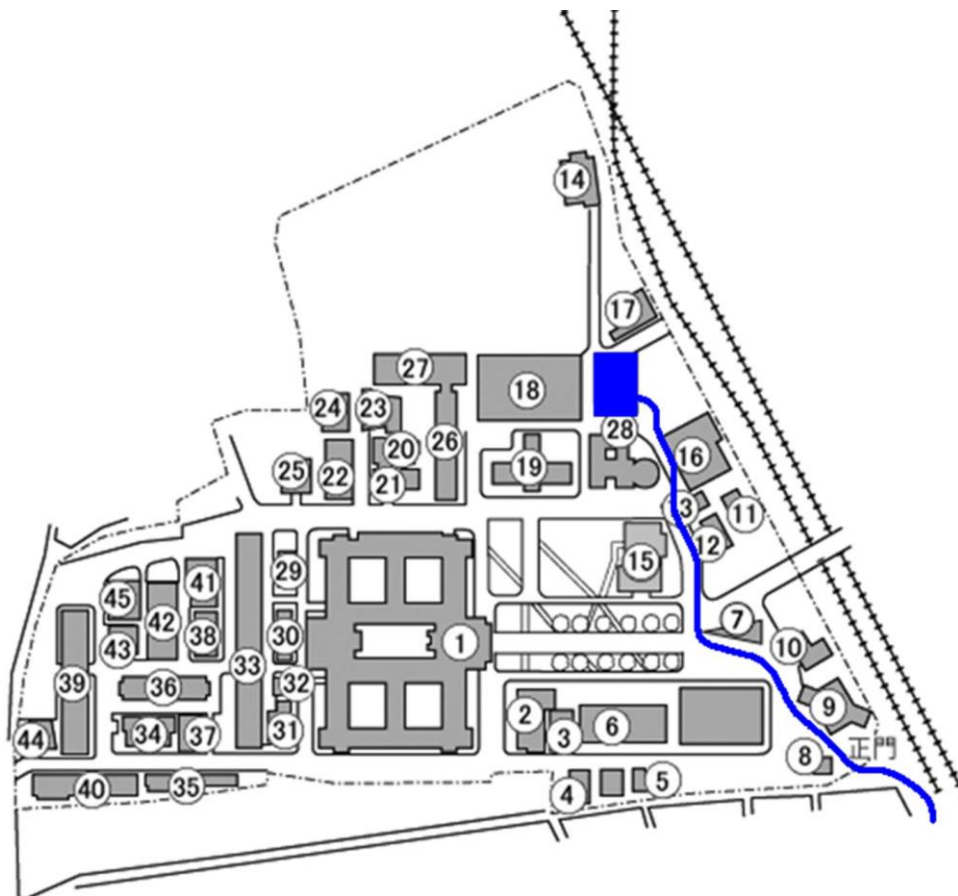
University of Copenhagen

MA of Philosophy/Logic

(研究分野)

- Human performance in safety critical domains including healthcare, aviation, shipping, rail, and process industry.
- Integration of human, technical and organisational factors for risk assessment and safety management.
- Healthcare technologies implementation across sectors
- Telehealth technologies
- Privacy by design of technologies/services for independent living of elderly
- Safety culture-climate: models and measures.
- Development and validation of taxonomies of human and organisational factors behind of incidents and accidents.

場所の詳細



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