



1-2 February 2010  
KORANET PARTNERING EVENT

*Research for life-long health*

Prof. Dr.-Ing. habil. Michael Lawo  
TZI Universitaet Bremen  
Using wearable and mobile computing  
solutions to enable a longer healthy living  
at home



## TZI 2008 FACTS

*partnering, partnering, partnering, partnering, partnering*

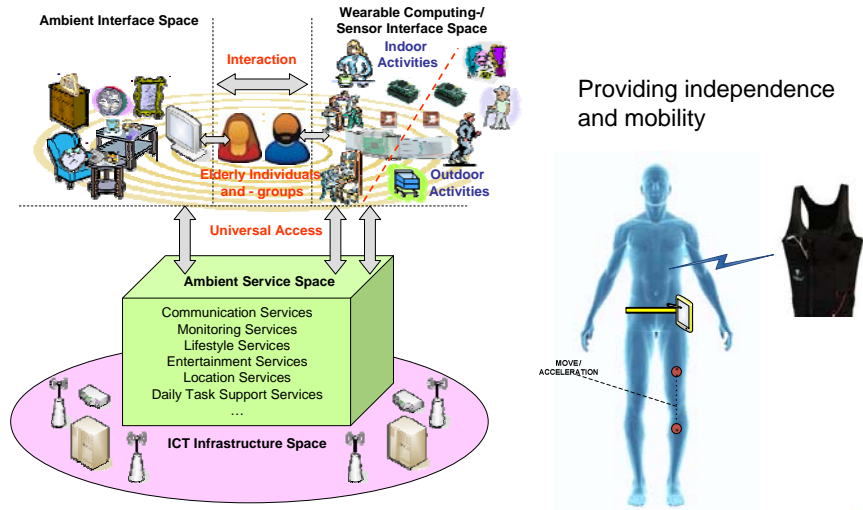
- Founded in 1995
- 13 University Professors in CS/EE
- Approximately 160 full-time researchers
- External funding of approx. 6,1 M€
- Wide range of interdisciplinary projects with Universitaet Bremen Graduate Schools: *Logistics, Cognitive Sciences, Biotechnology, Engineering*
- Many research cooperations with industry, government and public organizations, and with a large number of universities and research institutes





# PROJECT IDEA

partnering, partnering, partnering, partnering, partnering



# TZI EXPERTISE

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### Concerted Activities:

- Multidisciplinary, Inter-departmental research
- Application focus
- Technology transfer

### AI Research Group:

- Machine Learning
- Pattern Recognition
- Context Detection
- UI Design





## PARTNER SOUGHT

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- Research on wearable sensors:
  - Medical sensing system (ECG, SpO<sub>2</sub>, respiration rate, etc.)
  - Motion sensing system (physical activity)
  - Environmental sensing system (temperature, air quality, etc.)
- Research on social/context/stress level monitoring
  - Main signals from microphones combined with additional signals e.g. heart rate & respiration rate



## CONTACT DETAILS

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