Celtic-Plus Event
Project Ideas and Networking
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Hospital Corridor/Waiting Room of the future

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Teaser

How to give more ‘value’ to (Hospital) Corridors or Waiting rooms by exploiting digital technology?

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Organisation Profile

Cross-departmental multi-disciplinary research centre on ICT@KU Leuven hardware & software, as well as user & legal issues
14 research groups
~ 80 professors, ~ 500 researchers

Team:
2 professors, 18 researchers

Research domain:
interactions between scientific research and design:
• research ‘about’ design
• research ‘through’ design
• research ‘for’ design

Overall objective: make architecture and public space smarter, more inclusive, and more engaging.

Related fields: inclusive design, architecture and care, design education, smart cities, data visualization, human-computer interaction and digital fabrication.
**Background/motivation:**

- Multiple activities in hospital corridors: looking for rooms, impromptu waiting room, contact between patients, transport of patients, ‘playroom’ for kids, …
- Current situation:
  - Cool, unattractive places
  - Waiting room ~ tables & chairs, no information

**Idea:**

Make corridors/waiting rooms interactive by adding screens (+ complementary technology) to e.g.
- provide support for wayfinding
- get patients out of their room
- improve working environment for caregivers
- …

**Technology needed:**

Depending on ‘activity’
- sensors (e.g. for localisation, activity detection, person follow-up, …)
- HCI technology (speech, vision, …)
- network of screens + backbone
- (interactive) applications
- personalisation technology
- …
Available key partners and capabilities:

Research institute: KU Leuven-LICT

- RxD research group
  - data visualization and analytics
  - novel interactive and graphical representation methods to reach and engage casual end-users in public environments

other HCI pillar research groups
- HCI technology (speech, vision, touch, …)

Missing capabilities and/or partners:

- SMEs, large companies, research institutes, …
- see ‘technology needed’
- (project coordinator)
For more information and for interest to participate please contact:

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