

2023-2024

## BA/MA Theses & Research Training Topics

(this list is not complete – feel free to come with your own ideas)

### Cross-Media Information Spaces and Architectures

- Cross-Device User Interfaces
  - End-user UI development
  - Human-AI interaction
- Office of the Future
  - Mixed Reality in Personal Information Management
- Technology-enhanced Learning
  - Personalised learning environments
  - Study lenses
  - MindXpres presentation platform
- Internet of Things (IoT)
  - Intelligibility in cross-platform IoT



### Data Physicalisation and Mixed Reality

- Data Physicalisation
  - Tangible hologram platform (based on HoloLens)
  - Dynamic data physicalisation framework
  - Extensible data physicalisation hardware platform
- Mixed Reality Solutions
  - Tangible interaction design
  - Augmented concept maps and collaborative work

### Interactive Paper and Cross-Media Interaction

- Interactive Paper
  - PaperPoint presentation tool
- Smart Homes
  - Context-aware ambient intelligence
- OpenHPS
  - Hybrid positioning solutions

