Digitizing Spatial Experience for Fostering Empathy

Doctoral research

Ville Paananen
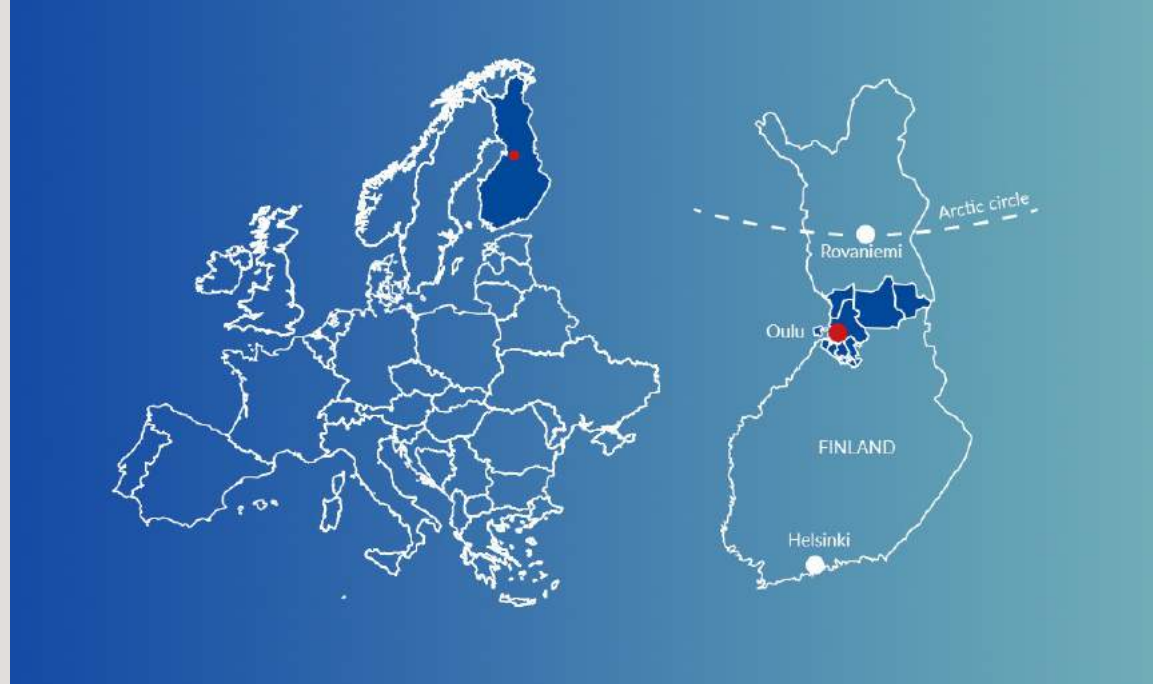
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Crowd Computing
Research Group

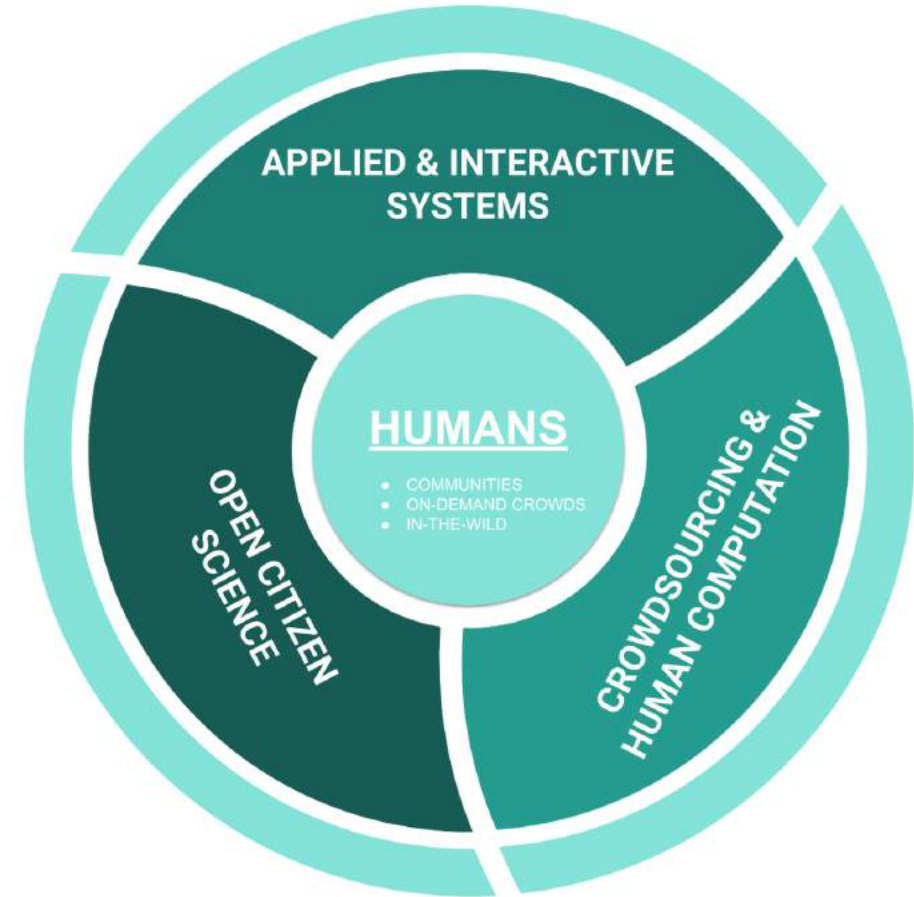**CENTER FOR UBIQUITOUS COMPUTING**

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Ville Paananen

- Doctoral researcher in CS (2020-)
- Bachelor's student in architecture (2020-)
- Background in electrical engineering
- Ceramics, synths, drawing, etc. on the side
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Crowd Computing research group

- We investigate **distributed forms of work, where the tasks are too challenging for computers alone**.

- Given the increasing role AI in the society, it is now imperative to identify and harness the unique aspects of human life.

- This allows us to develop ways for seamless **human-machine collaboration** and discover how to combine the best of both worlds: authentic human cognition with computational efficiency.

Humans are spatial creatures, but this is rarely acknowledged in technology

*"But there is something missing:
empathy, shared understanding of momentary experience,
shared valuation, a sense of place."*

— Kirsh, 2019