Erasmus Centre for Data Analytics

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Expert Practice *Media, AI, Privacy & Surveillance*

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Media, AI, Privacy & Surveillance: Introduction

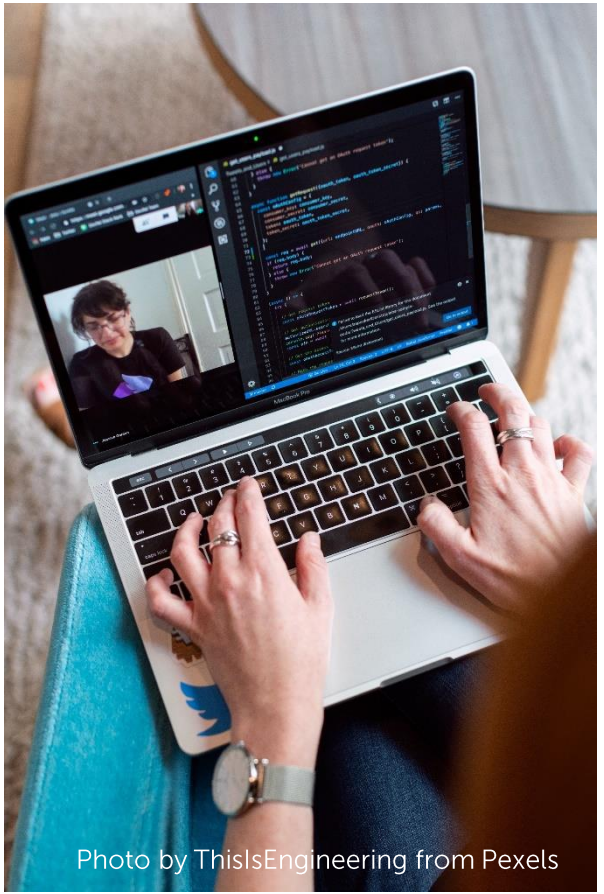
Jason Pridmore, PhD

"The technology we use on an everyday basis both shape and are shaped by our use of devices, data, and software. This raises significant potentials and concerns. In our Media, AI, Privacy, and Surveillance expert practice, we work to understand and address the social, political, and ethical issues connected to media practices, the proliferating use of artificial intelligence, privacy negotiations, various forms of surveillance, and (cyber) security approaches and challenges. We take a practice-based approach in order to generate applied knowledge."

Media, AI, Privacy & Surveillance expert practice: Overview

The Media, AI, Privacy & Surveillance team aims to:

1. Examine experiences and activities related to AI, privacy, surveillance, and security developments
2. Contribute to empirically-informed assessments of new forms of digitalization
3. Collaborate with industry stakeholders and academic partners
4. Engage in appropriate data sharing of applied knowledge



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Media, AI, Privacy & Surveillance expert practice: Team

Jason Pridmore, Associate Professor // Digitalization and Trust, misinformation, consumer surveillance

Daniel Trottier, Associate Professor // Mediated shaming, online reputation, user-led surveillance

João Gonçalves, Assistant Professor // Artificial intelligence, algorithmic content moderation

Jorge Pereira Campos, Postdoctoral researcher // Privacy, Smart Cities, Data Donation

Anouk Mols, Postdoctoral researcher // Experiences of AI, privacy, surveillance

Tessa Oomen, PhD candidate // Organizational communication practices of digitalization, cybersecurity, and AI

Qian Huang, PhD candidate // Participatory surveillance, digital communities, online harms

Massimo Fattori, PhD candidate // Multi-stakeholder approaches to urban security and safety








Research methods

AI-based analysis

- Sentiment analysis
- Topic modelling

Analyzing social practices

- In-depth interviews
- Focus groups
- Surveys

Examining online data

- Qualitative content analysis
- Trend analysis

Research projects

- SPATIAL: https://spatial-h2020.eu/
- BIMSPEED: https://www.eur.nl/en/eshcc/research/ermecc/projects/ermecc-projects/bim-speed
- IcARUS -Innovative Approach to Urban Security: https://www.icarus-innovation.eu/
- Digital Vigilantism: https://www.eur.nl/en/eshcc/research/ermecc/projects/digital-vigilantism
- TRESCA - Trustworthy, Reliable and Engaging Scientific Communication Approaches: https://trescaproject.eu/
- ASHVIN ASsistants for Healthy, Safe, and Productive Virtual Construction Design, Operation & Maintenance using a Digitial TwIN: https://www.ashvin.eu/
- Mapping Privacy and Surveillance Dynamics in Emerging Mobile Ecosystems: https://www.eur.nl/en/eshcc/research/ermecc/projects/mobile-privacy

Project highlight: SPATIAL

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Media, AI, Privacy & Surveillance

Goal: Achieving trustworthy, transparent and explainable AI for cybersecurity solutions

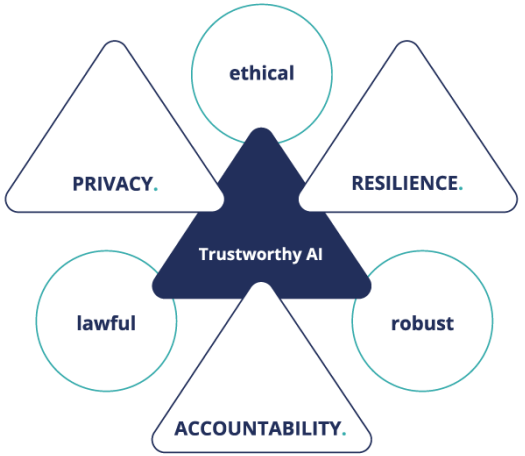
SPATIAL solves such uncertainty by enforcing data privacy, resilience engineering, and legal-ethical accountability.

We conduct a social science analysis of AI-development practices in four use case scenarios focused on edge computing, IoT/4G/5G networks, E-health, and cybersecurity.

The work carried out on both social and technical aspects will serve as a stepping stone to establish an appropriate governance and regulatory framework for AI-driven security in Europe.

The consortium exist of 12 partners from 8 EU member states:

www.spatial-h2020.eu



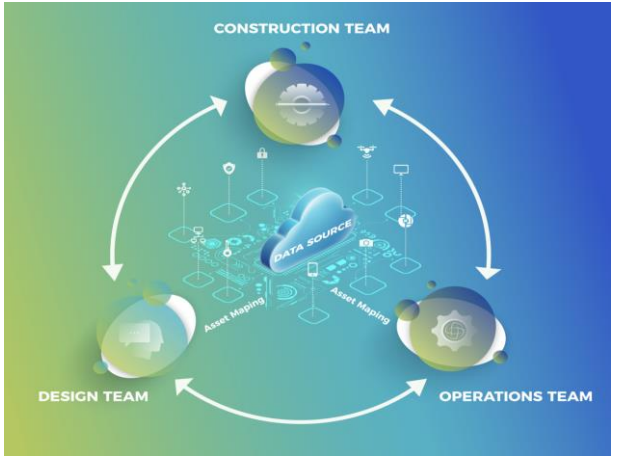
TU Delft · F-Secure · montimage · MAINFLUX LABS · Telefónica · Fraunhofer FOKUS · UCD DUBLIN · Tartu Ülikool 1632 · NEC · Erasmus University Rotterdam · AUSTRALI · Reaktor

Project highlight: Ashvin

Goal: to improve the productivity of the European construction industry, ensure the absolute safety of construction workers, while reducing costs.

ASHVIN accomplishes this by proposing a digital twin standard:
an open-source platform integrating cutting edge technologies, tools, and procedures.

The consortium consists of 14 partners from 9 EU member states:



www.ashvin.eu

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Passion provides purpose, but data drives decisions

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www.eur.nl/data

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