



STPIS 2026 Conference – Overview

Reclaiming the 'Social' and 'Human' in Information Systems

The 12th International STPIS Conference STPIS 2026 is co-hosting two complementary Workshops to address the increasing complexity of modern organizational and digital ecosystems. While both parts share a foundational socio-technical philosophy, they cater to different focus areas of research and practice. Accepted papers are distributed to the relevant workshop based on submission topic and area of interest. Consistently, the program is organized into two tracks and STPIS participants have access to both tracks as they please.

Track A: Workshop Socio-Technical Overall (Systems & Organisation) - *The Contemporary Core*

Track B: Workshop Socio-Technical Security (Risk & Protection) - *The Strategic Defence Pillar*

Venue Note: The conference program features both plenary and parallel sessions. Unless otherwise explicitly indicated, all sessions take place at **Palazzetto dei Nobili** (Main Venue). Sessions hosted at the **Rettorato Conference Hall** (located across the street from Palazzetto dei Nobili) are explicitly marked in the schedule as **[Rettorato Conference Hall]**.

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DISIM
Dipartimento di Ingegneria
e Scienze dell'Informazione
e Matematica



JÖNKÖPING UNIVERSITY
School of Engineering

Day 1: Programme Schedule

09:00 – 09:15 | Registration & Welcome

09:15 – 09:30 | Institutional Greetings & Opening Remarks

Donatella Donatelli – *Director of Department of Information Engineering, Computer Science and Mathematics (DISIM) of the University of L'Aquila, Italy*

Peter Bednar – *University of Portsmouth, UK & Lund University, Sweden*

Laura Tarantino and Antinisca Di Marco – *DISIM, University of L'Aquila, Italy*

09:30 – 10:10 | Keynote 1 (Track A Focus)

- **Bob Travica** — *Artificial Emotional Intelligence: Emophilic Users*

10:10 – 10:50 | Session 1 (Plenary Track B): Socio-Technical Perspectives on Defense & Security Operations

1. **[Paper 1]** *Protective Security within Industry 5.0: a socio-technical perspective* — Robert Kennedy
2. **[Paper 8]** *Cyber Threat Intelligence as Socio-Technical Practice in Organizations: A Systematic Literature Review* — Patrick Shirazi

10:50 – 11:20 | ☕ Coffee Break & Joint Keynote Discussion

11:20 – 12:40 | Session 2 (Plenary Track A): Work Systems, Usability & Cognitive Roles

1. **[Paper 3]** *A Socio-Technical Perspective of Industrial Symbiosis* — Emanuele Gabriel Margherita

2. **[Paper 6]** *From Analyst to Orchestrator: The Emerging Cognitive Role of Humans in Agentic Security Operations* — Daniel Boughton and Iain Reid
3. **[Paper 10]** *Usability Benefits: An Update for the AI Age* — Mikko Rajanen
4. **[Paper 12]** *Extending Situation Awareness Theory to Non-Critical Domains with the Work System Perspective* — Uttam Jodawat and Vishal Singh

12:40 – 13:30 | 🍽️ **Lunch Break**

13:30 – 14:10 | **Keynote 2 (Track A Focus)**

- **Antoine Harfouche** — *An Integrative Framework for Organizational Augmented Intelligence (AI+) for Smarter Organisations*

14:10 – 15:10 | **Session 3: Parallel Tracks**

- **Track A: Generative AI, Sociomateriality & Knowledge Systems**
 1. **[Paper 22]** *Generative AI Adoption: The Interplay of Individual Effort and Multi-Level Organizational Support* — Henriika Sarilo-Kankaanranta and Lauri Frank
 2. **[Paper 38]** *A Systematic Literature Review of the Use Cases of Generative Artificial Intelligence in Organisational Knowledge Management* — Markus Makkonen et al.
 3. **[Paper 44]** *Sociomateriality in the Age of Generative AI* — Karsten Böhm and Katharina Breuss
- **Track B: Security Culture & Information Warfare [Rettorato Conference Hall]**
 1. **[Paper 13]** *Visible Traces, Hidden Processes: Parents' Understanding of Children's Digital Traces in Sweden* — Erik Bergström et al
 2. **[Paper 19]** *Information Security Culture as Socio-Technical Negotiation* — Guro Bråten Olsborg
 3. **[Paper 27]** *Exploring organisations' preparedness to address malicious digital influence operations* — Michael Thorn

15:10 – 15:40 | ☕ **Coffee Break**

15:40 – 16:20 | **Session 4: Parallel Tracks**

- **Track A: Digital Product Passports & Adaptable Systems**
 1. **[Paper 25]** *Organizational Perspectives on Digital Product Passport Adoption* — Görkem Kılınç Soylu et al.
 2. **[Paper 28]** *Drivers, benefits, and challenges connected to authenticity in DPPs* — Linus Sönnnerhed et al.
- **Track B: Cybersecurity Awareness & Governance [Rettorato Conference Hall]**
 1. **[Paper 14]** *Towards a Cybersecurity Awareness Governance Framework* — Edoardo Carlini et al.
 2. **[Paper 17]** *Video Game Cheating and Malicious Hacking* — Berk Can Altindag et al.

16:20 – 17:40 | **Session 5 (Plenary Track A): Socio-Technical Design, Activity Systems & Inclusion**

1. **[Paper 7]** *IS Expeditions in Democratic Avenues — A Systematic Literature Review of Democracy-Related IS Research* — Sampo Noponen and Markus Salo
2. **[Paper 43]** *Reclaiming Contemporary Information Systems: The Sociotechnical Toolbox* — Peter Bednar
3. **[Paper 30]** *Navigating the Misfit Between Rigid Security Standards and Human Activity Systems* — Moufida Sadok
4. **[Paper 11]** *From Participation to Production: A Call to Action for Reconceptualizing Socio-Technical Systems through a Gender-Inclusive Design Framework* — Laura Tarantino

17:40 | 🏠 **Day 1 Close**

20:30 | 🍷 **Conference dinner**



Day 2: Programme Schedule

09:00 – 09:30 | Morning Arrival

09:30 – 10:10 | Keynote 3 (Track B Focus)

- **Paola Inverardi** — *Ethics as a Socio-Technical Dimension of Modern Digital Systems*

10:10 – 13:00 | 🇸🇪 Interactive Industry Workshop & Rolling Fika: Civic Digital Twin for Urban Access Regulation — Antonio Bucchiarone et al.

13:00 – 14:00 | 🍽️ Lunch Break

14:00 – 14:30 | Keynote 4 (Track B Focus) [Rettorato Conference Hall]

- **Antonio Marturano** — *What's Ethics Got to Do with It? Is Ethics-by-Design Really Ethics?*

14:30 – 15:30 | Session 6 (Plenary Track B): Incident Response, Risk Perception & Adaptation [Rettorato Conference Hall]

1. **[Paper 9]** *Krise i Syndstad: A Post Socio-Technical Incident Report on a Serious Game* — Thomas Richard McEvoy et al.
2. **[Paper 20]** *From Normalization to Awareness: Reshaping Adolescent Girls' Digital Risk Perception* — Laura Tarantino et al.
3. **[Paper 32]** *Not Guilty Until Proven Guilty: Neutralization Techniques in the Context of Temu Shopping* — Tiina Kaleton et al.

15:30 – 16:00 | ☕ Coffee Break

16:00 – 17:00 | Session 7: Parallel Tracks

- **Track A: Human-AI Collaboration & Creative Digital Systems [Rettorato Conference Hall]**
 1. **[Paper 2]** *AI and Socio-Technical Transformation in the Creative Digital Industries* — Marija Topuzovska Latkovikj
 2. **[Paper 4]** *From Error Eradication to Productive Fallibility: A Socio-Technical Perspective on Human--AI Oversight* — Federico Cabitza and Luca Marconi
 3. **[Paper 5]** *Speculative Design of a Human-AI Interface for Collaborative Football Video Analysis Informed by In Situ Reflective Practices* — António Correia et al.
- **Track B: Information Warfare & Digital Protection of Minors**
 1. **[Paper 15]** *The Socio-Technical Battlespace: Deception, Complexity, and Self-Sabotage in Modern Information Warfare* — Peter Bednar
 2. **[Paper 29]** *Protection of Minors in the Digital Environment: A Roadmap Integrating Legal and Technical Perspectives* — Mashal Afzal Memon et al.
 3. *Buffer & Thematic Discussion*

17:00 – 17:40 | Session 8: Parallel Tracks

- **Track A: Information Infrastructures & System Adaptability**
 1. **[Paper 36]** *AI for Resilient Health Systems: An Information Infrastructure Perspective* — Aysel Alizada et al.
 2. **[Paper 48]** *NOMIS Beyond Modelling: Towards Business-Centred Adaptable Information Systems* — José Cordeiro
- **Track B: Security Professions & Civic Frameworks [Rettorato Conference Hall]**
 1. **[Paper 16]** *Exploring the impact of advanced technologies on the physical security profession* — Mia Korhonen and Moufida Sadok
 2. **[Paper 42]** *An Intentional Sociotechnical Framework for Civic Cohesion* — Gill Hagan-Green

• **17:40 – 18:00 | 🏆 Final Wrap-Up & Next Year's STPIS Presentation**

• **18:00 | 🏆 Conference Conclusion**