

PRO-VE 2026

PRELIMINARY SCHEDULE OF THE PROGRAMME

Monday – 26 Oct 2026		Tuesday – 27 Oct 2026		Wednesday – 28 Oct 2026	
08:30	Registration			09:00	E1 Collaborative Healthcare Ecosystems
09:00	Opening Session	09:00	C1 AI as Human Mediator in Hybrid Networks		E2 Resilient Networks in the AI Era
09:30	Keynote 1 The Liminality of AI: Why We Study AI More Like a Social Actor Than a Tool - Dominik Siemon		C2 Collaborative Networks in Manufacturing	10:45	E3 Collaborative Business Governance
10:30	Coffee break	10:45	C3 Managing Dynamics in Circular Economy Ecosystems and Manufacturing		Coffee break
11:00	A1 Doing Business in Society 5.0 Collaborative Environments	11:15	Coffee break	11:15	Keynote 3 Olga Battaia
	A2 Decision-Making in Human-AI Collaboration: Frameworks		Research Challenges Panel	12:15	Lunch
	A3 Agentic Skills in Hybrid Collaborative Networks	12:45	Lunch	13:45	F1 Explainable AI for Collaborative Healthcare Ecosystems
12:45	Lunch		Keynote 2 Generative AI in the Design, Planning and Operation of Human-Centric Manufacturing Systems - Dimitris Mourtzis		F2 Navigating the Socio-Technical Frontiers of Digital Ecosystems
14:15	Industry Round Table	14:15	D1 Evolution Towards Collaborative Ecosystems	15:30	F3 Collaborative Governance of Resilient Ecosystems
15:45	Coffee break	15:15	D2 Distributed Safety-Critical Systems	16:00	Coffee break
16:15	B1 From Collaboration to Cognition	16:30	D3 Hybrid CNs for Critical and Complex Situations	16:30	Closing Session & Awards
	B2 Decision-Making in Human-AI Collaboration: Models	17:00	Projects Forum & Posters I		
	B3 Sustainable and Resilient Collaborative Agri-Food Networks		Projects Forum & Posters II		
18:00	Welcome Reception	18:30			
19:00		20:00	Conference Diner		

Monday – 26 Oct 2026

08:30 Registration

09:00 Opening Session

09:30 Keynote 1

The Liminality of AI: Why We Study AI More Like a Social Actor Than a Tool

Dominik Siemon, LUT University, Finland

10:30 Coffee break

11:00 Parallel Sessions A

A1 - Doing Business in Society 5.0 Collaborative Environments

Organizers: Patrizia Garengo, Francesco Ferrati, Frida Betto, Avishan Sarmast

Position paper: Intelligent Interaction in Collaborative Networked Business: Trends, Challenges, and Research Directions

Paul Grefen and Anna Wilbik

Balancing between Value Co-creation and Risk Mitigation of Open Government Data: Outbound Collaborative Innovation towards Society 5.0

Haitao Huang, Tieqiang He, Hao Wang, Tianqi Wang, Zhizhong Wang, Wenchi Ying

Developing Human Centered Approach by Leveraging on Collaborative Networks: A Preliminary Empirical Investigation

Patrizia Garengo, Avishan Sarmast, and Frida Betto

Exploring AI Adoption in HRM: Preliminary Evidence from Italian and Finnish manufacturing SMEs

Adnan Hussain, Patrizia Garengo, Juhani Ukko, and Minna Saunila

A2- Decision-Making in Human-AI Collaboration: Frameworks

Organizers: Diletta Tosetto, Letizia Mortara, Constanze Leeb

A Framework for Enhanced Human-AI Collaboration in Dynamic Environments

Sebastian Scholze, Ana Correia, Gunnar Große Hovest

A TTF-Based Configuration Toolset for AI Agents in Human-AI Collaborative Decision-Making: Typology, Taxonomy, and Decision Path

Taiyao Yang, Xun Zhang, Wenchi Ying

A Human-Centered Multi-Agent Architecture Framework for AI-Based Hybrid Decision Support in Product Engineering

Eric Kempkens, Dorian Gleß, Yannik Hermann, and Rainer Stark

Integrating Social Robots and AI Agents for Elderly Care

Thais A. Baldissera, Luis M. Camarinha-Matos and Cristiano De Faveri

A3 - Agentic Skills in Hybrid Collaborative Networks

Organizers: Wico Mulder, Bernd-Friedrich Voigt, Thomas Süße, Harmen de Weerd

Distributed Agency in Hybrid Collaborative Networks: Agentic Skills in AI-Assisted Clinical Data Conversion

Talko Bernhard Dijkhuis, Joran Jan Arends, and Hinderikus Marten Groenboom

Design Principles for Human-AI Symbiosis – A Practical Approach to Designing Solutions to Support Humans and AI Working and Learning Collaboratively

Zacharoula Papamitsiou, Sobah Abbas Petersen

The AI Trias Politica: Redefining Roles in the Modern Workplace

Mahya Ameryan, Pascal van den Bosch, Ando Emerencia, and Frank Blaauw

Effects of Subgoal Granularity on Perceived Explainability in Agent Behaviour

Philip Maurice Scheidig, Thomas Süße, and Christian Schwede

12:45 Lunch

14:15 Industrial Panel

TBA

15:45 Coffee break

16:15 Parallel Sessions B

B1 - From Collaboration to Cognition

Organizers: Sanaz Nikghadam-Hojjati, José Barata, Eda Marchetti, Anikó Costa

Position paper: Unity of Knowledge and Action: A Multi-Agent Human-AI Collaborative System

Juanqiong Gou, Yue Shang, Kathy Ning Shen, Yizhe Chen and Zhe Wang

Collaborative Intelligence for Trustworthy Hardware-Software Co-Engineering in Adaptive and Collaborative Innovation Ecosystems

Eda Marchetti, Sanaz Nikghadam-Hojjati, Anikó Costa, Antonello Calabrò, and José Barata

Human-Centered Cognitive Computing for Collaborative Intelligence: A Speech-Based Approach to Affect and Creativity

Sepideh Kalateh, Nastaran Farhadighalati, Sanaz Nikghadam-Hojjati, and José Barata

Collaborative AI Agents for Legal Text Analysis and Question Answering

Goran Marković, Ana Meštrović

B2 - Decision-Making in Human-AI Collaboration: Models

Organizers: Diletta Tosetto, Letizia Mortara, Constanze Leeb

Generative AI Assisted Multi-Round Collaborative Decision Making for Natural Disaster Management

Gustavo R. Lemos, Pedro S. Zanchett, Ricardo J. Rabelo

Human-AI Collaboration for Multi-Agent Financial Transaction Anomaly Detection

Nastaran Farhadighalati, Sepideh Kalateh, Sanaz Nikghadam-Hojjati, and José Barata

Opening the Black Box of Human-AI Augmentation: A Qualitative Investigation into the Erosion of Personal Control

Diletta Tosetto, Constanze M. Leeb, and Letizia Mortara

How AI Service Attributes Shape Consumer Happiness: Evidence from Scenario-Based Experiments

Yicheng Song, Mengyu Pan, Haoyu Fan

B3 - Sustainable and Resilient Collaborative Agri-Food Networks

Organizers: Ana Esteso, M.M.E. Alemany

Building Resilient Supply Chains in the Digital Era: How Wine-Sector SMEs use Industry 4.0 Technologies?

Gustavo Dalmarco, Marco Rostellato, Ana Cristina Simões

A Multi-Stage Optimisation Framework for Sustainable Collaborative Production Planning in CSA Systems

Ana Esteso, M.M.E. Alemany, Angel Ortiz, and Mario Lezoche

Developing and Assessing a Generative AI Maturity Model for Human-AI Collaboration in SMEs

Heli Kortessalmi, Vesa Kauppinen, Hannele Lampela

Few-Shot and Zero-Shot Time Series Transformers for Industrial Energy Forecasting: A Benchmarking Study in Food Processing

Francisco Fraile, Carlos Baviera, Ángel Ortiz, Raúl Poler

19:00 Welcome Reception

Tuesday – 27 Oct 2026

09:00 Parallel Sessions C

C1 - AI as Human Mediator in Hybrid Networks

Organizers: Raksmey Phan, Juanqiong Gou

Position paper: Ecosystem Futuremaking Space: Problem Analysis and Design Objectives

Kirsimarja Blomqvist, Dominik Siemon, Katri Valkokari and Jaakko Paasi

Human-Centred AI Mediators: An Engineering Framework for AI-Mediated Coordination in Hybrid Collaborative Networks

Raksmey Phan, Thomas Franck, Xavier Boucher

From Requirement Providers to Human–AI Team Co-Designers: Business Experts Bridged with IS/IT Experts by AI Mediator

Yizhe Chen, Juanqiong Gou, Wenqiang Li, Lifei Zhang, Kathy Ning Shen

AI-Assisted Augmented Documentation as Collaborative Infrastructure for Hybrid Human-AI Cultural Heritage Storytelling Networks

Akrivi Katifori, Myrto Koukouli, Anastasia Vasileiou, Maria Boile, Chairi Kiourt, Alexandru Stan, Preslav Rachev, George Ioannidis, Yannis Ioannidis

C2 - Collaborative Networks in Manufacturing

Chair: Adamantios Koumpis

Position paper: A Data-Driven Bottom-Up Approach to Supply Chain Management

Francisco J. Ferriols, Josefa Mula, and Manuel Díaz-Madroñero

A Self-Managing Lifecycle Model of Manufacturing Systems – An Approach based on Collaborative Cyber-Physical Systems, Standards, and Data Sovereignty

Marcos R. Momo, Ricardo J. Rabelo, Emanuel Spanhol, and José Barata

A Security-by-Design Digital Product Passport Architecture for Military Infrastructure Proceedings

Konstantinos Gkouvas, Foivos Psarommatis, Chrysostomos Stylios

Enhancing Remote Collaborative Assembly through Human-AI Integration

Romina Druta and Radu Ciurescu

C3 - Managing Dynamics in Circular Economy Ecosystems (and Manufacturing)

Organizers: Laura Macchion, Edoardo Rampazzo, Francesco Passuello

Closing the Water Loop in Abrasive Waterjet Cutting: A

Traceability-Based Case Study

Claudio Sassanelli, Mariantonietta Ferrante, Salvatore Digiesi, Giorgio Mossa

Proposing a Data driven Model Linking AI and Digital Technologies Adoption with Circular Economy Outcomes: Preliminary Findings

Francesco Passuello, Rosanna Fornasiero, Laura Macchion

Employees Apps as Sociotechnical Infrastructures for Thinking Hybrid Collaborative Networks: Evidence from a Manufacturing Organisation

Paula Urze, Paulo Fernandes, Emília Araújo, Ana Pacheco Pereira, Beatriz Andres

Collaborative Agents for Production Negotiation in a Manufacturing-as-a-service Environment

Andy J. Figueroa, Beatriz Andres, Raul Poler, and Paco Santacatalina Marti

10:45 Coffee break

11:15 Research Panel

TBA

12:45 Lunch

14:15 Keynote 2

Generative AI in the Design, Planning and Operation of Human-Centric Manufacturing Systems

Dimitris Mourtzis, *University of Patras, Greece*

15:15 Parallel Sessions D

D1 - Evolution Towards Collaborative Ecosystems

Chair: Sobah Abbas Petersen

Collaborative Networks in Football: A Multi-Layer Collaborative Network Model for UEFA Euro 2024 Passing Systems

Javad Jassbi, Hamed Jassbi, Jose Barata

A Simulation Framework for Evaluating Collaborative Strategies in Last-mile Logistics

Dionisio Fama Noque, Luis M. Camarinha-Matos and Ana Inês Oliveira

Patterns of AI Adoption in Polish Organisations: From Fragmentation Towards Collaborative Networks

Radosław Wolniak, Aneta Michalak, Agnieszka Kowalska-Styczeń, and Izabela Jonek-Kowalska

D2 - Distributed Safety-Critical Systems

Organizers: Alberto Morato, Claudio Zunino

Wireless and Embedded Time-Sensitive Networking for Real-Time Mobile Robotics: Architecture, Metrology, and Control Performance

Alberto Morato, Federico Tramarin, Claudio Zunino, Manuel Cheminod

AI-Assisted Time-Sensitive Networking (TSN): LLM-Based Gate Control List Synthesis for IEEE 802.1Qbv

Alberto Morato

Rethinking Business Technology Alignment for Digital Collaborative Ecosystems

A. Luís Osório, Ricardo J. Rabelo, Paula Urze, Tiago Dias, Carlos Gonçalves

D3 - Hybrid CNs for Critical and Complex Situations

Organizers: Thais Baldissera, Ana Inês Oliveira, Filipa Ferrada, Patrícia Macedo

An ISoS-Based Hybrid Collaborative Network for AI-Enabled Aviation Maintenance Ecosystems

Carlos Goncalves, Tiago Dias, and A. Luís Osório

Agentic AI in Hybrid Collaborative Networks for Critical and Complex Situations

Thais A. Baldissera, Ana Inês Oliveira, Cristiano De Faveri and Filipa Ferrada

A Sociotechnical AI Digital Twin Framework for Modelling and Assessing Hybrid Human-Artificial Actor Networks

Vítor Pereira, Fábio Couto, António Lucas Soares

16:30 Coffee break

17:00 Projects Forum & Posters

Projects Forum & Posters - I

TBA

Projects Forum & Posters - II

TBA

20:00 Conference dinner

Wednesday – 28 Oct 2026

09:00 Parallel Sessions E

E1 - Collaborative Healthcare Ecosystems

Chairs: Izabela Jonek-Kowalska, Agnieszka Kowalska-Styczeń

A Multidimensional Conceptual Model of Territorial Healthcare Collaborative Networks

Meryam Moutaouaffiq, Xavier Boucher, Marius Huguet, Chloé Gouttefangeas, and Thomas Guyonnet

A Collaborative Digital Health Platform for Multi-Actor Coordination in Hypertension Management

Llanos Cuenca, Begoña Martinez-Salvador, Miguel Angel Mateo-Casali, José Manuel Ventura-Cerdá and Enrique Rodilla

The Onion Data Structure: A Layered Model for Temporal and Evolutionary Data Representation in Medical Applications

Kyriakos Chatzidimitriou and Adamantios Koumpis

Designing a Conceptual Framework for AI Literacy in Healthcare Logistics

Ruggero Colombari, Enrico Libera, Elena Pessot

E2 - Resilient Networks in the AI Era

Organizers: Sanaz Nikghadam-Hojjati, Thomas Schuster, José Barata

Digital Sovereignty at Process Level: Tensions, Trade-offs, and Governance in Collaborative Networks

Andreas Schneider and Thomas Schuster

Augmentation Episodes: A Distributed Human-AI Teaming Framework for Resilient Collaborative Networks in the AI Era

Mario Bosslau and Thomas Schuster

Sovereign Multi-Agent Collaboration: A Compliance-Aware Guardrail Architecture for Resilient B2B Networks

Thomas Schuster and Marian Lambert

The Effects of Generative AI on Collaboration and Social Networks Among Knowledge Workers

Giuseppe Soda, Alessandro Iorio and Leonardo Rizzo

E3 - Collaborative Business Governance

Chairs: António Lucas Soares

Cohesion in Collaborative, Multi-Actor Business Models

Paul Grefen, Rein van den Bosch, Frank Bosma, Toine van Vliet

A Governance Design Framework for Human-AI Collaboration in SMEs' Production Management

Fábio Couto, Mariana Curado Malta, and António Lucas Soares

Social Media Marketing and SME Performance in Bangladesh: Investigating the Mediating Role of Value Co-creation

Tunazzina Sultana, Sultana Razia Chowdhury, and Mohammed Jamal Uddin

A Hybrid RAG Architecture Based on Multi-Agent State-Graphs

Marcos Terol, Francisco Fraile, Pedro Gómez-Gasquet, Andres Boza

10:45 Coffee break

11:15 Keynote 3

TBA

Olga Battaia, KEDGE Business School, France

12:15 Lunch

13:45 Parallel Sessions F

F1 - Explainable AI for Collaborative Healthcare Ecosystems

Organizers: Elena Pessot, Sabatina Criscuolo, Daniele Spoladore, Ruggero Colombari

An Explainable and Adaptive Collaboration Framework for Human-AI Cooperation in Type 1 Diabetes Ecosystems

Sabatina Criscuolo, Marisa Pesola, Lutgarda Bozzetto, and Pasquale Arpaia

Towards Explainable Governance of Synthetic Health Data in Collaborative Healthcare Ecosystems

Antonio Pelusi, Alberto Trombetta, Daniele Spoladore, Stefano Braghin

Towards a Collaborative Network for Interoperable and Explainable Job Matching System for People with Disabilities

Daniele Spoladore, Sabatina Criscuolo, Ariele Babini, Federico Bottaro, Elena Pessot, Alberto Trombetta, and Marco Sacco

From Self-Observation to Dermatological Consultation: Public Perceptions of Collaborative AI-Assisted Skin Lesion Assessment

Mirco Gallazzi and Daniele Spoladore

F2 - Navigating the Socio-Technical Frontiers of Digital Ecosystems

Organizers: Diletta Tosetto, Awlad Sagar, Rosanna Fornasiero, Andrea Zangiacomi

Towards a Socio-technical AI Profiling Tool for Supply Chain Contexts: Insights from Iterative Focus Groups

Ricardo Zimmermann, Gaudencio Freires, Cristiano Fontes, João Gomes Jr., Fernanda Freitas, Fabio Couto, Gustavo Dalmarco, António Lucas Soares

Discovering Key Elements for Enterprise Interoperability Graph

Riina Henriksson, Lea Kutvonen

Enabling Collaboration in sustainability through Digitalization and the Role of Supply Chain Resilience

Diletta Tosetto, Andrea Zangiacomi, Laura Macchion, and Rosanna Fornasiero

Including an Embodied Digital Technology in Task Change Reorganizes Social Dynamics of Hybrid Interaction – Observations of Informal Leadership Shifts During Humanoid Robot Commissioning

Bernd-Friedrich Voigt, Tatjana Starosta

F3 - Collaborative Governance of Resilient Ecosystems

Organizers: Ariane Avila, Gustavo Dalmarco, Ricardo Zimmermann

Exploring Collaboration Practices for Circular Strategies in Packaging Value Chains

Gustavo Dalmarco, Julia Anna Oleszczyńska, Barbara Ocicka

Stress-Driven Coalition Dynamics in Hybrid Collaborative Networks

Javaneh Ramezani, Luis Gomes, and Paula Graça

Ecosystem Embeddedness and Post-Disruption Performance: A Configurational Analysis of Resilience Capabilities in SMEs

Ariane Avila, Gustavo Dalmarco, Ricardo Zimmermann, and Rosanna Fornaseiro

Controlled Collaboration in European Defence Supply Chains: A Governance Framework for Resilience, Security of Supply and Internationalization

Paulina Zamelek

15:30 Coffee break

16:00 Closing Session & Awards

16:30 Farewell