

## EJC2026 preliminarily program

(F) full paper, 30 min, (S) short paper 20 min, (P) position paper 15 min, including Q&A  
(21 full papers, 9 short papers, 2 position papers, total 32 papers)

### Monday, 8 June 2026

13:00	16:30	EJC 2026 Summer School (SS) Location: University of Vaasa, Tervahovi building, Room D221
17:00	19:00	Get together and registration Location: University of Vaasa Arcade, Fabriikki building, 3rd floor <a href="https://www.uwasa.fi/en/arcade">https://www.uwasa.fi/en/arcade</a>

### Tuesday, 9 June 2026

9:00	9:30	EJC 2026 Opening Location: University of Vaasa, Ankkuri building, Nissi Auditorium K218
9:30	10:30	Keynote Session 1 Chair: Juho-Pekka Mäkipää Title: Tools that use tools to build tools Dr. Jussi Rasku
10:30	11:00	Coffee break
11:00	12:30	Paper Session 1: Knowledge modelling Chair: Hannu Jaakkola  (F) 625 - Human Digital Identity in Cyberspace: Conceptualizing Human Capability Domains from Compensation to Extension, Juho-Pekka Mäkipää, Yasushi Kiyoki  (F) 603 (o) - Logic of agents' dynamic activities, Marie Duži  (F) 622 - Responsible AI Evaluation Metrics for Clustering Algorithms, Marina Tropmann-Frick, Chris-Marian Forke, Boštjan Brumen
12:30	13:30	Lunch at University's restaurant, Mathilda
13:30	15:00	Paper Session 2: Knowledge Modelling for Nature and Society Chair: Marina Tropmann-Frick  (F) 607 - Sustainable AI – Sustainability Aspects Reviewed, Mika Saari, Hannu Jaakkola, Jari Soini, Timo Mäkinen, Chalisa Veessommai Sillberg  (F) 614 - "Intelligent Nature" in an Ocean Environment SPA-based Semantic Computing with "5-Dimensional World-Map System", YASUSHI KIYOKI

		(S) 605 - Toward Imaginative AI: Domain Transitivity for Cross-Domain Imagination, Virach Sornlertlamvanich, Pinphong Ruangraweenukit, Ponlawat Chopbuk, Waranrach Viriyavi, Thatsanee Charoenporn
15:00	15:30	Coffee break
15:30	16:30	<p>Paper Session 3: AI Modelling and Applications Chair: Virach Sornlertlamvanich</p> <p>(S) 611 - Cyber-physical Archeology in Data Sensorium - Modelling of Real-size Walkable Digital Twin of Cultural Heritage -, Hiroo IWATA, Mohamed SOLIMAN, Naoki ISHIBASHI</p> <p>(S) 632 - EDAM: A System Architecture for Expansible Dynamic Art Museum, Naoki Ishibashi</p> <p>(S) 626 - A Framework for Assigning Valence for Software Concept Expectancy Violations, Laura Havinen, Teemu Mäenpää, Juho-Pekka Mäkipää</p>

### Wednesday, 10 June 2026

9:00	10:30	<p>Paper Session 4: AI Applications and Modelling Chair: Asako Uraki</p> <p>(F) 627 (o) - Attempting to Replicate Qualitative Inductive Analysis with ChatGPT, Stefan Brückner</p> <p>(F) 620 - Time-axis Granularity Synthesizer on Semantic Data Scope, Asako Uraki, Yasushi Kiyoki</p> <p>(F) 609 - A Conceptual Model for Inclusive Higher Education with Artificial Intelligence: Lessons from the AI-ENABLE Project, Maja Pušnik, Sérgio Correia, Olga Dziabenko, Ipek Burcu Orucoglu, Boštjan Šumak</p>
10:30	11:00	Coffee break
11:00	12:00	<p>Paper Session 5: System Modelling Chair: Naofumi Yoshida</p> <p>(F) 624 (o) - Apocalyptic Expressions in News: A cross-cultural content analysis of German and American news coverage, Yukiko Sato</p> <p>(F) 608 - AI-mediated communication between health care providers, facilitators and patients with cognitive linguistics challenges, Thorben SCHOMACKER, Xianghua DING, Stephen LINDSAY, Gennaro IMPERATORE, Michael GILLE, Anja LOWIT, Marina TROPMANN-FRICK</p>
12:00	13:00	Lunch at University's restaurant, Mathilda

13:00	14:30	<p>Paper Session 6: Conceptual Modelling Chair: Boštjan Brumen</p> <p>(F) 623 - Modeling of Digital Twins, Pekka Sillberg, Janne Harjamäki, Mikko Nurminen, Mika Saari, Jari Soini</p> <p>(F) 634 (o) - DSRA-TS: Dynamic Subspace Retrieval via Fixed Random Projections for Controllable Text Generation, XING CHEN</p> <p>(F) 604 (o) - Mangrove-SPA: A Cyber-Physical Information Model for Resilient Ecosystem Management, Prasetyo Wibowo, Yasushi Kiyoki, Shiori Sasaki</p>
14:30	15:00	Coffee break
15:00	16:30	<p>Paper Session 7: Knowledge Modelling Chair: Marek Mensik</p> <p>(S) 629 - A Modelling of Diverse and Fair Ranking in Social Computing: Matthew Effect Analysis and Application for Social Sharing, Naofumi Yoshida</p> <p>(S) 621 - Cross-Domain Imagiantive AI through the Concept of Pancakkhandha: An Integrated Framework for Semantic Preservation and Creative Knowledge Generation, Thatsanee Charoenporn, Virach Sornlertlamvanich,</p> <p>(S) 635 - Spatial Bridge Protocol: Deliberate Constraint as Communication Design in Cyber-Physical International Co-presence, Yusuke TAKAHASHI, Hiroo IWATA, Ryota NAKAMURA</p> <p>(P) 601 - Intensional Relational Concepts - From the Intensional Negation Point of View, Jari Palomäki</p> <p>(P) 628 - Who are we talking to: Exploring differences between human-to-human and human-to-AI communication, Jyri Naarmala, Juho-Pekka Mäkipää</p>
18:00	20:00	<p>Conference Dinner Location: Strampen <a href="https://www.strampen.com/en/">https://www.strampen.com/en/</a></p>

### Thursday, 11 June 2026

9:00	11:00	<p>Paper Session 8: Conceptual Modelling Chair: Jari Soini</p> <p>(F) 615 - Notes on Model Genesis, Maturity and Utility, Roland Kaschek</p> <p>(F) 633 - Mindfulness Computing Architecture, Yasuhiro Hayash</p> <p>(F) 618 - A Contexts Selection Calculation Method for Individuals Equity and Groups Equality in Environmental Control, Chinngai Li, Yasuhiro Hayashi</p>
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		(F) 606 - AI-based systems quality assurance: Strengthening students' awareness, Tina Beranič, Luka Pavlič
11:00	11:30	Coffee break
11:30	12:30	<p>Paper Session 9: Data Modelling Chair: Naoki Ishibashi</p> <p>(F) 631 - Quantifying Climate Justice: Responsibility-Capability-Vulnerability+Alpha Integration with Analytical Visualization on 5D World Map System, SHIORI SASAKI, YASUSHI KIYOKI</p> <p>(S) 617 (o) - Cross-Domain Imagination via Persona-Achievement Matrix Transformation, Pinphong Ruangraweenukit, Virach Sornlertlamvanich, Waranrach Viriyavit, Thatsanee Charoenporn, Ponlawat Chopuk</p> <p>(S) 637 (o) - Adaptive Personalization and Inclusive Enterprize Process With AI Empowerment From Domain Knowledge, Ryosuke Konishi, Fumito Nakamura, Yasushi Kiyoki</p>
12:30	13:30	Lunch at University's restaurant, Mathilda
13:30	15:00	<p>Paper Session 10: Knowledge Modelling Chair: Shiori Sasaki</p> <p>(F) 619 - Inference-Based Analysis of Spatial Data: Automatic Detection of Intersections and Pathfinding in Urban Street Networks, Marek Menšík, Petr Rapant, Adam Albert, Tomáš Kolečkář, Jaroslav Petera</p> <p>(F) 636 - Truth Is Not Enough: An Epistemological Framework for Multi-Dimensional AI Output Evaluation with Empirical Validation in Human-AI Coaching, Yusuke TAKAHASHI</p> <p>(F) 613 - Modeling and Evaluation of 3D Virtual Space that Provides Magical Experience, Bowen Ye, Hiroo IWATA</p>
15:00	15:15	Coffee break
15:15	16:15	<p>Keynote Session 2 Chair: Yasushi Kiyoki Title: Rethinking AI for Reliability and Imagination in Human Thought Process Prof. Virach Sornlertlamvanich</p>
16:15	17:00	<p>Panel Session Title: Rethinking AI for Consciousness, Awareness, Attention, Imagination, Ignorance, Thought, Creativity, Abstraction, Perception, Recognition, and Emotion Prof. Yasushi Kiyoki Prof. Hannu Jaakkola Prof. Virach Sornlertlamvanich</p>

		Prof. Marina Tropmann-Frick Chair:																		
17:00	21:30	<p>Social Event Location: Excursion to UNESCO World Heritage Site, Kvarken Archipelago <a href="https://www.vaasa.fi/en/see-and-experience/the-kvarken-archipelago-world-heritage-site/">https://www.vaasa.fi/en/see-and-experience/the-kvarken-archipelago-world-heritage-site/</a></p> <p>Dinner, Sauna, and hot tubs Venue: Berny's <a href="https://www.berny.fi/en/">https://www.berny.fi/en/</a> <a href="https://www.berny.fi/en/sauna-and-hot-tubs">https://www.berny.fi/en/sauna-and-hot-tubs</a></p> <table border="1"> <thead> <tr> <th>Timetable</th> <th>Time</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>Bus University - Svedjehamn</td> <td>17.00 - 17.45</td> <td>0h 45min</td> </tr> <tr> <td>Excursion Svedjehamn, Saltkaret</td> <td>17.45 - 18.45</td> <td>1h</td> </tr> <tr> <td>Bus to Berny's</td> <td>18.45 - 19.15</td> <td>0h 30min</td> </tr> <tr> <td>Dinner + Sauna Berny's</td> <td>19.15 - 21.15</td> <td>2h</td> </tr> <tr> <td>Bus Berny's - Vaasa</td> <td>21.15 - 21.30</td> <td>0h 15min</td> </tr> </tbody> </table>	Timetable	Time	Duration	Bus University - Svedjehamn	17.00 - 17.45	0h 45min	Excursion Svedjehamn, Saltkaret	17.45 - 18.45	1h	Bus to Berny's	18.45 - 19.15	0h 30min	Dinner + Sauna Berny's	19.15 - 21.15	2h	Bus Berny's - Vaasa	21.15 - 21.30	0h 15min
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### Friday, 12 June 2026

9:30	10:00	Discussions for next EJC 2027 (1) Future research directions of Data Science and AI (2) The next EJC site, topics and subjects to be focused on Chair: Yasushi Kiyoki, Marina Tropmann-Frick
10:00	11:00	Closing
11:00	11:30	Coffee