

Wednesday May 27

12:00 - 16:30

PhD Summer School

See full information at the [website](#)

17:30 - 20:30

Welcome Reception

See full information at the [website](#)
Meeting 17:30 at Market square, Eteläranta, Helsinki, [Map](#)

Miro Ristimäki:



Industry transformation in the intersection of sustainability, productivity and digitalization – are we really creating value?



KEYNOTE

Thursday May 28

8:00

Doors open and coffee

The Stage

8:30

Opening session

Chair:

8:30

Opening of CREON 2026

8:45

Keynote 1

Industry transformation in the intersection of sustainability, productivity and digitalization – are we really creating value?

Miro Ristimäki

Leading Advisor, Head of Business Development and Innovation, Skanska Kodit

9:15

Where cultural heritage meets climate ambitions - Insights from a circular transformation case study

Prof. Aysar Dawod Selman, University College Northern Denmark, Denmark

9:30

Break

9:40

Session 1

Situational Awareness, Safety & Site Intelligence

Chair:

9:40

When Industry Data Meets Machine Learning: Systemic Barriers to Predictive Safety in the Construction Projects

Mirza Muntasir Nishat, NTNU - Norwegian University of Science and Technology, Norway

9:55

An Exploratory Comparison of Managerial and Expert Perspectives on Digital Situational Awareness Systems in Infrastructure Construction

Dr. Eelon Lappalainen, Aalto University, Finland

10:10

A Broadcasting-Based Approach to Create Distributed Situational Awareness in Construction Projects

Prof. Vishal Singh, Indian Institute of Science, India

10:25

From Sensor to Sensemaking – Observations of Site Managers' Situational Awareness

Eemil Neuvonen, Skanska, Finland

10:40

CIB Presentation

11:00

Coffee

The Hub

Session 2

Circular Reuse, Ecosystems & Deconstruction

Chair:

Organizing for circularity: Actor interaction and adaptation in the emerging ecosystems for reusing large used building parts in Norway

Dr. Caroline Cheng, SINTEF Community, Norway

Readiness of the AEC industry to adopt Circular Economy business models: Finnish Perspective

Roosa Hakkari and Dr. Jussi Savolainen, Tampere university of applied sciences, Finland

Towards circular construction: Representations of onsite deconstruction workflows in the literature

Prof. Søren Wandahl, Aarhus University, Denmark

Circular economy in Nordic construction: Policies, principles, and prospects

Dr. Nicolaj Frederiksen, University of Southern Denmark, Denmark

Scaling Circular Economy in Bridge Infrastructure: Insights from Dutch Practice

Elie Issa, University of Twente, Netherlands

www.ril.fi/creon2026

CREON 2026
May 28-29, 2026, Helsinki

13th Nordic Conference on
Construction Economics and Organisation
Aalto Design Factory, Puumiehenkuja 5,
02150 Espoo, Finland

The Stage

11:30

Session 3 Lean Logistics, Scheduling & Productivity

Chair:

11:30

Performance measurement for construction logistics: a critical review and research directions

Uyen Ngo, NTNU - Norwegian University of Science and Technology, Norway

11:45

Simulating elevator capacity and peak worker flow in high-rise construction projects

Dr. Müge Tetik, Lappeenranta-Lahti University of Technology, Finland

12:00

A data collection framework to autonomously assess on-site Construction Logistic Setup performance

Tim Vissers, BUILDWISE, Belgium

12:15

Construction effectiveness and safety improvement with project scheduling addressing Lean principles

Prof. Marco Alvise Bragadin, University of Bologna, Italy

12:30

Lunch

13:30

Keynote session Chair:

13:30

Keynote 2 Building 2030 aims to transform Finnish construction industry

Olli Seppänen

Associate professor, Aalto University

14:15 - 16:30

Excursion Koskela Depot Project

See full information at the [website](#)

The excursion will end with drop-off at Heymo 1 Hotel and Radisson Blu Espoo around 16:30.

19:00 - 22:00

Dinner Cruise

See full information at the [website](#)

Meeting 18:50 at HTC pier, Kalanokankuja [Map](#)

The cruise will end at the same location where it started, with an optional drop-off at Market Square, Eteläranta, Helsinki, [Map](#)

The Hub

Session 4

Industrialised Design, Governance & Collaborative Futures

Chair:

An architectural design process outlined for industrialised modular constructions in a developing country context

Prof. Doris Catharine Cornelia Knatz Kowaltowski, University of Campinas, Brazil

Delivery models' impact on work productivity

Prof. Ole Jonny Klakegg, NTNU - Norwegian University of Science and Technology, Norway

Sustainable Innovation vs Cost-Effective Governance in Small Routine Projects - the Case of a Public Client

Victor Maahr, BUILD, Aalborg University, Denmark

Place taking as a spatial analytical concept: Extending a social-semiotic multimodal approach to collaborative virtual design

Prof. Christine Räisänen, Chalmers University of Technology, Sweden



KEYNOTE

Olli Seppänen:

Building 2030 aims to transform Finnish construction industry



Friday May 29

8:00 Doors open and coffee

The Stage

Session 5 Governance, Delivery Models & Permitting

Chair:

8:30 **Delivery model for a combined new construction and renovation project: Lessons from Garnes lower secondary school**

Prof. **Ola Lædre**, NTNU - Norwegian University of Science and Technology, Norway

8:45 **Housing stock renovation for decarbonisation – what new would transition design guidelines suggest?**

Dr. **Müge Tetik**, Lappeenranta-Lahti University of Technology, Finland

9:00 **Stakeholder Analysis in the Building Permit Process**

Elise Maurset Reigstad, Trondheim kommune and NTNU - Norwegian University of Science and Technology, Norway

9:15 **Strategic partnerships as project delivery model: A question of legitimacy or efficiency?**

Dr. **Stefan Christoffer Gottlieb**, University of Southern Denmark, Denmark

9:30 **Collaborative Project Delivery Model: The Materials Science Building at NTNU Campus**

Dr. **Atle Engebo**, NTNU - Norwegian University of Science and Technology, Norway

Coffee

Session 7 Organizational Transformation, Collaboration & Learning

Chair:

10:15 **An Analytical Synthesis of Collaboration Enablers in Construction Projects**

Hazhir Koozani, Tampere University, Finland

10:30 **Leading Regenerative Partnerships in Construction: A Conceptual Perspective on Hybrid Organizations and Their Critical Interplay of Logics**

Jule Rumpel, Business Academy Copenhagen, Denmark

10:45 **Organisational learning and Digital transformation in a Construction SME**

Gunrid Kjellmark, SINTEF, Norway

11:00 **Supporting future-proof transformation in organizations by learning – Examples from changes in Finnish circular construction**

Pyry Harsunen and Dr. **Hanna Davis**, Tampere University of applied sciences, Finland

11:15 **Digital Narratives in the Transformation of Large South African Construction Firms: Rethinking Resilience in a Digital Age**

Zamageda Zungu, University of the Witwatersrand, South Africa

11:30 **Lunch**

The Hub

Session 6 Data Integration, BIM Automation & Digital Twins

Chair:

BIM KPIs and Design Performance - Experiments in Structural and Building Systems Engineering

Dr. **Eelon Lappalainen**, Aalto University, Finland

Leveraging LLM Embeddings for Ontology Scope Optimisation and Reuse in Construction Transportation Data Integration to Enhance Construction Logistics

Dr. **Jyrki Oraskari**, RWTH Aachen University, Germany

Beyond Flat Retrieval: A Cognitive-Inspired Agentic Framework for Hierarchical Construction Contract Review

Alok Rawat, Tallinn University of Technology, Estonia

Standardised MTS Nomenclature for Automated BIM-to-BOM and ERP Integration

Bettina Ruottinen, Aalto University and Otto Alhava, Fira Rakennus, Finland

Unlocking the Circular Built Environment: how Building Information Modeling can enable modular element data across multiple building lifecycles

Rico Keijzer, Tampere University of applied sciences, Finland

Session 8 AI, Digital Transformation & Automation Tools

Chair:

Aligning a Digital Project Management Tool with People, Process and Technology: Evidence from Trondheim Cathedral School

Prof. **Ola Lædre**, NTNU - Norwegian University of Science and Technology, Norway

Integrating Artificial Intelligence into Circular Design and Construction: A Socio-Technical Perspective from the Finnish Construction Sector

Jussi Rönty, VTT Technical Research Centre of Finland, Finland

Measuring Digital Transformation in Germany's Construction Industry: A Proposal for a Sector-Specific Index

Tobias Heimig-Elschner, Federal Office for Building and Regional Planning, Germany

Transformation Pathways for Excellence in Digital Building Permitting and Automatic Code Compliance Checking

Tarja Mäkeläinen, VTT Technical Research Centre of Finland, Finland

On implementing agentic AI on building sites – An argument for constructing temporal and specific contexts

Dr. **Anne Klitgaard**, VIA University College, Denmark

The Stage

12:30

Session 9 Education, Knowledge Sharing & Emerging Competencies

Chair:

12:30

Mediating Graduate Attributes in South African Higher Education: Exploring Curriculum Tensions Through a Construction 5.0 Lens

Dr. **Hendri du Plessis**, University of the Free State, South Africa

12:45

ET4Digital: Digitalisation and Sustainability Education from a Lean Construction Perspective

Prof. **Marco Alvisè Bragadin**, University of Bologna, Italy

13:00

Qualitative study on knowledge sharing in public project-based organizations in Norway

Dr. **Anandasivakumar Ekambaram**, SINTEF Community, Norway

13:15

Information management as an emerging competency for project management

Prof. **Eilif Hjelseth**, NTNU - Norwegian University of Science and Technology, Norway

13:30

A Systemic Approach to Sustainability Competence Development for Construction Transformation in Finland

Hanna van der Steen and **Paula Salonen**, Häme University of Applied Sciences, Finland

13:45

Coffee

14:00

Session 11 Project Strategy, Complexity & Business Performance

Chair:

14:00

Key Uncertainties in large Complex Projects – Lessons learned from 34 projects

Mahgol Afshari, NTNU - Norwegian University of Science and Technology, Norway

14:15

Value evolvement in megaproject

Emmanuel Chinwike Emefu, Technical University of Denmark (DTU), Denmark and **Einar Brandser Olsson**, NTNU - Norwegian University of Science and Technology, Norway

14:30

Transforming Nordic researchers into the designers of construction-related international business management concepts: A review and an agenda

Pekka Huovinen, Business Management PJH, Finland

14:45

Financial Slack in Construction: Empirical Benchmarks and Profitability Insights

Dr. **John Killingsworth**, Colorado State University, United States

15:00

Break

15:10

Closing session

Chair:

15:10

Keynote 3 Data-driven transformation in construction: Intelligent agents and the future of project delivery

Rita Lavikka

Research Team Leader, VTT Technical Research Centre of Finland Ltd

15:40

Closing remarks

16:00

CREON General Assembly Meeting

The Hub

Session 10 Sustainability Strategy, Transition Barriers & Project Goals

Chair:

Stakeholders' Exposure to Green Transition Barriers in the Construction Sector

Muhammad Mubasher, Tallinn University of Technology, Estonia

Climate and environmental goals and ambitions in early planning of megaprojects – a study of three public cases in Norway

Prof. **Agnar Johansen**, NTNU - Norwegian University of Science and Technology, Norway

Sustainability in Healthcare During Early Construction Phases: A Low-Budget Perspective

Omnia K. Eliassen, NTNU - Norwegian University of Science and Technology, Norway

Reframing the Narrative of Productivity Follow-up: From Static Control to Regenerative Learning

Amar Taja, Chalmers University of Technology, Sweden

Evaluating Digital Readiness and Proposing a Two-Step Model for EPBD Compliant Renovation Passport

Elisa Iliste, Tallinn University of Technology, Estonia

Session 12 Regenerative Building, Materials & Carbon

Chair:

A carbon-management process for construction: Insights from Finland

Dr. **Rita Lavikka*** (Finland) - VTT Technical Research Centre of Finland, Finland

Contextualising Regenerative Building Production

Dr. **Radhlinah Aulin**, Lund University, Sweden

Timber construction as a paragon for regenerative building production in Sweden

Dr. **Dimosthenis Kifokeris**, Chalmers University of Technology, Sweden

Embodied Carbon Emissions and the Potential Effect of Material Choices during Construction

Dr. **Tiina Vainio-Kaila**, VTT Technical Research Centre of Finland, Finland

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Rita Lavikka:

Data-driven transformation in construction: Intelligent agents and the future of project delivery

KEYNOTE