

Monday, 18th September

Orientation Day – Tallinn

20:00–22:00 Evening Get-together

- Starts from Tallink Spa & Conference Hotel (Sadama 11a)
- Walking together to Metsis drinkery (Telliskivi 60m)
- Networking with participants (drinks at own cost)

Tuesday, 19th September

Summit Day 1 – Tallinn

All times are EEST **VENUE MAIN + STREAM 1**

9:00 DOORS OPEN, COFFEE + WDBE SPEED MEETS

10:00 Opening of the Summit
Hosted by **Hele-Mai Metsal** (Estonian Digital Construction Cluster) & **Jaani Saar** (Ministry of Climate of Estonia)

10:30 Keynote Session
KEYNOTE 1 MIGUEL NIGORRA ESTEBAN, FIFTH WALL (UK)
“INVESTING IN BUILT WORLD TECH”
KEYNOTE 2 SEBASTIEN MICHAUD, FUNDAMENTAL (GER)

11:10 Shared Q&A

11:30 Lunch Break + WDBE Speed Meets

VENUE MAIN + STREAM 1

12:30 COMMUNITY SESSION 1
Sustainability through Building Information Modeling

PROPERTY OWNERS CONTRACTORS
ENGINEERS AND CONSULTANTS

Analyzing the state of digitalisation in Estonian Construction Sector

Karin Reiska, CIVITTA (Estonia)

From old blueprints to 3D city models

Gosia Wrzesinska, Coders Co. (The Netherlands)

Case study – CO2 reduction in residential building using BIM data

Tomas Blaziunas, INHUS Engineering (Lithuania)

Modern human-friendly timber house – what to pay attention to?

Marek Mardisoo, EstHus (Estonia)

From concept to maintenance – Case study of BIM usage for single family house

Janis Berkis, ITED (Latvia)

Shared panel discussion (20 min)

VENUE SIDE + STREAM 2

PARTNER SESSION 1
– Hosted by EU BIM Task Group & Horizon Europe Projects
BIM-based Building Permitting and Environmental Compliance Checking

ARCHITECTS CITIES AND MUNICIPALITIES
ENGINEERS AND CONSULTANTS

Enhanced compliance checking through integrated geoinformation with BIM

Francesca Noardo, Open Geospatial Consortium (Belgium)

BIM-based Building Permitting and Environmental Compliance Checking

Rita Lavikka, VTT (Finland)

BRISE-Vienna, an openBIM building permit process

Christian Schranz, TU Wien (Austria)

RAVA3PRO – National development project for the further development and automation of the permit process of municipal building control

Anna-Riitta Kallinen, ARKCON (Finland)

Session continues on next page!



MIGUEL NIGORRA ESTEBAN
FIFTH WALL (UK)



SEBASTIEN MICHAUD
FUNDAMENTAL (GER)

13:30

COMMUNITY SESSION 2

Collaboration Platforms to Accelerate Sustainability

CONTRACTORS CITIES AND MUNICIPALITIES ENGINEERS AND CONSULTANTS

The Open Urban Platform - A smart way to collaborate Rick Klooster, Future Insight (The Netherlands)

Using advanced technologies to reduce the carbon footprint of infrastructure - A case study on the One-Hour Train project in Finland, Renaud de Montaignac, ORIS (France)

Challenges of measuring and reporting on CSR and ESG - GSES platform as an example of best practice, Oriane Wisser, Global Sustainable Enterprise System (The Netherlands)

Configuring a Sustainable Future: The Role of 3D Technology Daniel Nael, Wenture OÜ

Shared panel discussion (20 min)

PARTNER SESSION 1 - CONTINUES

- Hosted by EU BIM Task Group & Horizon Europe Projects

BIM-based Building Permitting and Environmental Compliance Checking

ARCHITECTS CITIES AND MUNICIPALITIES ENGINEERS AND CONSULTANTS

Placing Clearly. BIM in the environment Linn Koeman, Future Insight (The Netherlands)

Research activities in the European Network for Digital Building Permits (EUNet4DBP) Judith Fauth, TU Wien (Austria)

BIM-based building permit developments in Estonia Christopher-Robin Raitviir, Estonian Ministry of Economic Affairs and Communications (Estonia)

Implementing BIM to a digital permitting process Ilkka Mattila, Cloudpermit (Finland)

Shared panel discussion

14:30

Coffee Break + WDBE Speed Meets

VENUE MAIN + STREAM 1

15:00

COMMUNITY SESSION 3

Investing in Sustainability

PROPERTY OWNERS ARCHITECTS PROPERTY MANAGERS AND SERVICE PROVIDERS

Improving Sustainability with the National Digital Twin of Estonia, Jaan Saar, Ministry of Climate of Estonia (Estonia)

Reinventing Unito - Digital Diffuse Campus University of Turin for a sustainable and inclusive learning environment, Lavinia Chiara Tagliabue, University of Turin (Italy)

Investment case of city scale wind power, Ari Laitala, Sykli (Finland)

Hacking Digital Construction

Baltic AEC Hackathon pitches - SimsalaBIM and Creatomus

E-leap Innovation Program, Regina Viljasaar-Frenzel, Ministry of Climate and Kaia Kirs, Reminet

Shared panel discussion (20 min)

16:00

Keynote Session

KEYNOTE 3 MARZIA BOLPAGNI, MACE GROUP (UK)

"TECHNOLOGY AND ETHICS FOR A SUSTAINABLE BUILT ENVIRONMENT"

KEYNOTE 4 DANIEL HALL, TU DELFT (NL)

"DECENTRALIZED INFORMATION MANAGEMENT FOR CIRCULAR FUTURE CITIES"

Shared Q&A

17:00

Closing of the Day 1

VENUE SIDE + STREAM 2

PARTNER SESSION 2

- Hosted by City of Tallinn

Tallinn European Green Capital

CITIES AND MUNICIPALITIES ARCHITECTS ENGINEERS AND CONSULTANTS

Tallinn Digital Twin platform Christopher Raitviir, Tallinn Urban Planning Department (Estonia)

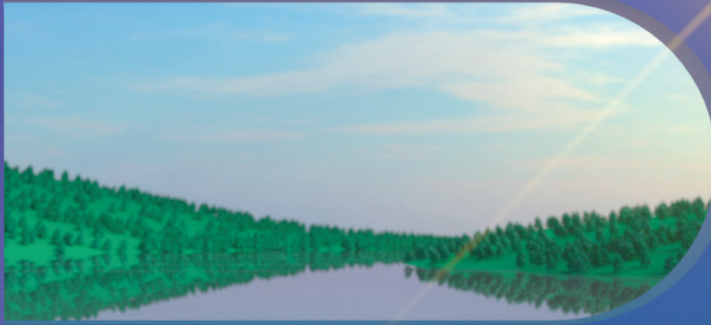
"GreenTwins" Abdelrahman Elkhatib, Tallinn Strategy Center (Estonia)



MARZIA BOLPAGNI MACE GROUP (UK)



DANIEL HALL TU DELFT (NL)



Wednesday, 20th September Summit Day 2 – Helsinki

All times are EEST **VENUE MAIN + STREAM 1**
8:00 **DOORS OPEN, COFFEE + WDBE SPEED MEETS**

9:00 **Opening of the Summit**
Hosted by **Tuija Pakkanen** (VTT) & **Teemu Lehtinen** (KIRAHub)

9:20 **Keynote Session**
KEYNOTE 5 BJ SIEGEL, JUNO (US)
"THE POWER OF DESIGNING HOUSING AS A CONSUMER PRODUCT"
KEYNOTE 6 MICHELLE XUEREB, BDP QUADRANGLE (CA)
"BUILDING RESILIENCE IN THE AGE OF ACCELERATION"
Shared Q&A

10:20 **Coffee Break**

10:30 **VENUE MAIN + STREAM 1**
COMMUNITY SESSION 4
Emerging Technologies

PROPERTY OWNERS **CONTRACTORS**
PROPERTY MANAGERS AND SERVICE PROVIDERS

The architect 2.0. How generative design and design for reuse are shaping the way architects design, Margherita Lisco, Lund University (Sweden)

Sustainable Real Estate using Virtual Reality for Housing Evaluation, Athira Azmi, Universiti Putra Malaysia (Malaysia)

COMMI'BOT - Automated robotic solution used for the measurement of comfort and operating conditions of building equipment, David Corgier, MANASLU Ing. (France)

Low-carbon foundations - Making sustainable concrete infrastructure, Fernando De los Ríos, Hyperion Robotics (Finland)

Metaverse in built environment, Tuija Pakkanen, VTT (Finland)

Shared panel discussion (20 min)

11:30 **Lunch Break + WDBE Speed Meets**



MICHELLE XUEREB
BDP QUADRANGLE (CA)

BJ SIEGEL
JUNO (US)

VENUE SIDE + STREAM 2
PARTNER SESSION 3 – Hosted by Urban Hub Europe
Urban Partnerships across Europe

CITIES AND MUNICIPALITIES **CONTRACTORS**
ENGINEERS AND CONSULTANTS

What is Urban Hub Europe?
How can UHE network support the industry?

Presentation of each partner

KIRAHub (Finland)
BLOXHUB (Denmark)
ConTech Lab (Denmark)
Digital Construction Cluster (Estonia)
Nordic Edge (Norway)
Munich Urban Colab (Germany)
Smart City Cluster (Spain)
Discussion and Q&A

12:30

COMMUNITY SESSION 5
Digital City Planning

CITIES AND MUNICIPALITIES RESEARCHERS
SOFTWARE AND TECHNOLOGY PROVIDERS

Creating Interoperability for the National Core Data Services, Antti Jakobsson, National Land Survey of Finland (Finland)

Urban data platforms – how to ensure flow of critical information (in Smart Cities), Anu Soukki, Sitowise (Finland)

Reimagining the future of our cities with UrbanistAI
Damiano Cerrone, UrbanistAI (Finland)

Creating and using nationally interoperable plan data in Finland: Envisioning the future of planning support
Pilvi Nummi, Asiantuntijat n+1 Oy (Finland)
Anni Hapuoja, Et May Oy (Finland)

Shared panel discussion (20 min)

PARTNER SESSION 4
– Hosted by Metropolia UAS

Building for Tomorrow: Revolution or Evolution of Competencies?

RESEARCHERS CONTRACTORS ENGINEERS AND CONSULTANTS

PANEL DISCUSSION about the requirements of future knowledge, skills and possibilities in the construction industry.

Does the education for sustainable built environment miss something essential, is it enough to improve existing competencies or do we need something really new in the education? How do we get all parties involved in identifying the needs of the future?

Facilitator:

Anna-Stina Tähkävuori, Director of Innovations, Metropolia UAS

Panelists:

Mia Toivonen, Programme Director, Real estate and construction (KIRA) Growth Programme
Miro Ristimäki, Vice President, Digital Services and Innovation, Skanska
Kaisa Ahonen, Project Manager, Urban Tech Helsinki

PARTNER SESSION 5
– Hosted by Haahtela TVD

Make a real impact: use simulation to make the right investment decisions

PROPERTY OWNERS CITIES AND MUNICIPALITIES
GOVERNMENT

Do you know what you are building and why?

To construct a sustainable building does not lead/equal to increased costs – quite the opposite! The biggest climate impacts of construction builds up in the decisions made related to the efficiency of the use of resources. Therefore almost 80 % of the carbon footprint of a building is defined before the actual designing phase. With the help of our simulation model you can stop wasting resources and only build what is genuinely needed. You find the right solutions more efficiently and take into account the environmental aspects by reducing waste. This leads to cost reductions as well as minimizing the carbon footprint of the building. Our simulation model helps you to save money by making environmentally sustainable and ecological decisions.

Speakers: Pyry Haahtela, COO, Haahtela TVD

Saku Metsärinne, Head of Product Development, Haahtela TVD

VENUE MAIN + STREAM 1

13:30

COMMUNITY SESSION 6
Smart and Sustainable Buildings

PROPERTY OWNERS CONTRACTORS
PROPERTY MANAGERS AND SERVICE PROVIDERS

The Smart Buildings Alliance for Smart Cities – How to outpace the traditional silo working between companies and associations, Jean-Christophe Vanderhaegen, Embuild (Belgium)

User-centeredness at the heart of better future building, Laura Remes, Ramboll Finland (Finland)

Go green with digital twins!
Frank Rust, Framence GmbH (Germany)

Healthy Building, Mariia Begouleva, PMtech IT OU (Estonia)

Sustainability performance of office buildings – A model for measuring the environmental impact based on Ecological Footprint index, Alice Paola Pomè, Politecnico di Milano (Italy)

Shared panel discussion (20 min)

VENUE SIDE + STREAM 2

PARTNER SESSION 6
– Hosted by Platform of Trust

Sustainable Built Environment: Interoperable Data in a key role when building greener environment

ARCHITECTS ENGINEERS AND CONSULTANTS CONTRACTORS

Facilitator:

Roope Pajasmaa, CGO, Vastuu Group

Panelists:

Antti Harjunpää, CEO, Platform of Trust
Rita Lavikka, Senior Scientist, VTT
Suvi Monni, Group Manager – climate and sustainability services Sitowise

PARTNER SESSION 7
– Hosted by Zero Construct

Building Global Carbon Literacy

ARCHITECTS ENGINEERS AND CONSULTANTS CONTRACTORS

“You don’t know what you don’t know” and “You don’t know what you don’t measure” are two big terms which are bound around construction today, especially around driving towards Net Zero. Carbon Literacy is one of the biggest challenges we face because without it, the industry has no idea what to do next. In this session we’ll learn where we can all start and how to bring our industry with us

Speaker: Matthew A Jackson, Co-Founder of ZERO Construct

14:30

Coffee Break + WDBE Speed Meets

15:00

COMMUNITY SESSION 7
Sustainable and Energy-efficient Cities

PROPERTY OWNERS GOVERNMENT
CITIES AND MUNICIPALITIES

Making Sustainability Achievable for the Built Environment Life Cycle through BIM Standardisation, Annina Lehikoinen, buildingSMART Finland (Finland)

Strategic Implementation of Scenario-Based Modelling to Optimize Site Energy Systems by Service Operations - An Innovative Approach to Achieving Sustainable Energy Efficiency, Richa Srivastava, Hochschule für Technik und Wirtschaft Berlin (HTW) (Germany)

Tackling Climate Challenges with Deep-Tech Solutions - Caidio's Research on Sustainable Concrete Projects in the European Union and China, Aku Wilenius, Caidio (Finland)

Sustainable Urban Food production - How new innovations enable system-level-benefits, Panu Miettinen, Aalto University / Vacuum Insulation Solutions Oy (Finland)

Shared panel discussion (20 min)

VENUE MAIN + STREAM 1

16:00

Keynote Session

KEYNOTE 7 - **PALLAVI MOHAN**, NVIDIA (GER)

"DIGITAL TWINS FOR SUSTAINABILITY WITH NVIDIA OMNIVERSE"

KEYNOTE 8 - **MATTI KUITTINEN**, AALTO UNIVERSITY (FIN)

"THE ROLE OF DIGITALIZATION FOR BUILDING WITHIN PLANETARY BOUNDARIES"

Q&A

Closing of the Day 2

17:00

PARTNER SESSION 8
- Hosted by RAVA3pro project

RAVA3pro development project results summary

ARCHITECTS CITIES AND MUNICIPALITIES
ENGINEERS AND CONSULTANTS

RAVA3Pro results for municipalities in Finland

Aarno Alanko, RAVA3Pro Chair of Board, Head of Unit, City of Helsinki, Urban Environment Division

RAVA3Pro results in Finland and international collaborations

Anna-Riitta Kallinen, RAVA3Pro Project Manager, ARKCON

RAVA3Pro Finnish national IFC building code checking for building permitting

Pia Nitz, IFC code checking Specialist in RAVA3Pro, Solibri

RAVA3Pro Finnish national requirements for MEP IFC models

Markus Järvenpää, MEP IFC Specialist in RAVA3Pro, Development Manager (MEP), Granlund



PALLAVI MOHAN
NVIDIA (GER)



MATTI KUITTINEN
AALTO UNIVERSITY (FIN)

Awards Party - Helsinki (Maria 01, Lapinlahdenkatu 16)

All times are EEST

VENUE MAIN + STREAM 1

19:00

DOORS OPEN - LIGHT FOOD, DRINKS & NETWORKING

19:30

Awards Party Welcoming Words

19:45

Awards Party Keynote

KEYNOTE 9 - **MATTI RÖNKKÖ**, KIILTO VENTURES (FIN)

"WHILE THE PLANET IS WARMING UP, WHY ARE WE SOLVING THE PROBLEMS OF THE LAST MILE?"

20:00

Announcing the Winners

CATEGORY 1: **Best research for digital built environment**

CATEGORY 2: **Most advanced digital twin**

CATEGORY 3: **Most collaborative use of data**

CATEGORY 4: **Most impactful digital act for sustainability**

CATEGORY 5: **Most innovative digital project delivery**

CATEGORY 6: **Most promising digital solution**

22:00

Reception Ends



MATTI RÖNKKÖ
KIILTO VENTURES (FIN)

