

WDBE

WORLD OF DIGITAL BUILT ENVIRONMENT

2024

RESHAPING BUSINESS MODELS FOR THE FUTURE

3-4 OCTOBER HELSINKI + TALLINN, WDBE.ORG

2nd October

Helsinki City Reception

19.00 Old Court House – Separate registration needed

3th October

Summit Day 1 – Helsinki

Sokos Hotel Pier 4

8.30 Doors open, morning coffee

9.00 Opening

HOSTED BY: Teemu Lehtinen and Tuija Pakkanen

9.10 Partner session 1

Location Innovation Hub (LIH)

9.20 Keynote 1 – Olivier Lepinoy

HYPER CONSTRUCTION – THE CONSTRUCTION INDUSTRY IS MOVING FASTER THAN WE THINK

9.40 Keynote 2 – Jaan Saar

AUTOMATED BUILDING PERMITS – THE “KILLER APP” FOR BIM!

10.00 Keynote Q&A discussion

10.20 Partner Session 2

Finnish AI Region (FAIR)

10.30 Coffee Break



OLIVIER LEPINOY (FR)
Founder,
HYPER Construction



JAAN SAAR (EE)
Chief Evangelist,
FUTURE INSIGHT

WDBE2024 CO-CREATED BY



REPUBLIC OF ESTONIA
MINISTRY OF CLIMATE

Estonian Digital
Construction Cluster



10.50

COMMUNITY SESSION 1

Data Platforms

HOSTED BY: Aarni Heiskanen

INVESTORS MATERIAL AND PRODUCT MANUFACTURERS SOFTWARE AND TECHNOLOGY PROVIDERS

BIMspect – Opening the black box of the design process and creating new business through automated data collection

Eelon Lappalainen, Aalto University, Finland

Intelligent product data solution for accessing building information during its life cycle

Dr Juuso Autiosalo, Twinbase, Finland

Driving the green transition in construction through platform ecosystem

Olli Kilpeläinen, Betolar Oyj, Finland

Fabrify: A Collaborative, Realtime Platform for Manufacturing Process Design

Ryan Hughes, Graph Technologies, Denmark

The future of information management with Inno:docs

Frank Rust, Innomatik, Germany

Reshaping built environment business models requires understanding the system and connections

Tommi Arola, Building information foundation RTS, Finland

11.50

Lunch Break

12.50

COMMUNITY SESSION 2

Digital Building Permits

HOSTED BY: Anna-Riitta Kallinen

CITIES AND MUNICIPALITIES GOVERNMENT SOFTWARE AND TECHNOLOGY PROVIDERS

3DBIM models as part of the building permit CIM evaluation

Petri Kokko, CEO of Sova3D Oy, Finland

Toward BIM-based building carbon footprint evaluation

Dr Rita Lavikka, VTT Technical Research Centre of Finland, Finland

Tytti Bruce-Hyrkäs, Granlund, Finland

BIM implementation for the building lifecycle

Dr Rita Lavikka, VTT Technical Research Centre of Finland, Finland

Extension of EN ISO 16739-1 (IFC) to include regulatory information requirements

Tomi Henttinen, Gravicon Oy, Finland

Government platforms as a means to increase private sector data economy – case study on the Finnish national built environment information system

Juhana Rautiainen, Ministry of the Environment, Finland

Embracing AI in the Built Environment: Navigating the Legal Landscape

Jaakko Rastas, Ministry of the Environment, Finland

13.50

COMMUNITY SESSION 3

Smart Buildings

HOSTED BY: Tuija Pakkanen

CITIES AND MUNICIPALITIES ENGINEERS AND CONSULTANTS PROPERTY OWNERS

Cutting waste emissions – carrots for the tenants, sticks for the robots!

Dr Eelis Rytönen, Ylva, Finland

Stage 3 of smart building maturity

Prof Ken Dooley, Aalto University, Finland

The EMSD Digitalisation Journey from BIM to BIM-AM in realising Digital Twin for Smart Building Operation and Maintenance (O&M) and Facility Management Applications

Tracy CY Cheung, EMSD, The Government of Hong Kong SAR, Hong Kong

Leo HK Yeung, EMSD, The Government of Hong Kong SAR, Hong Kong

Facilitating data ecosystems in Smart Cities – from enabler to fundamental

Jenna-Riia Oldenburg, Sitowise Oy, Finland

Being better at defending your corner

Mark Sorsa-Leslie, Enviabile AI, Finland

14.50

Coffee Break

WDBE2024 PARTNERS AND COMMUNITY SUPPORTERS:



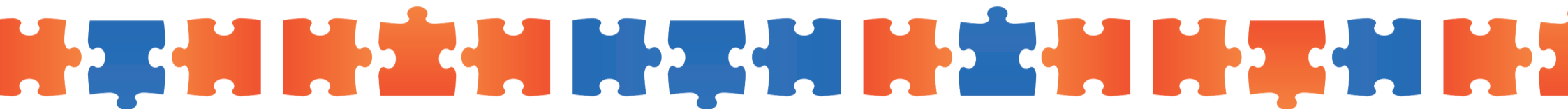
- 15.10** **Keynote 3 – Mark Bryan**
THE COMPETITIVE ROAD AHEAD IN DIGITAL TRANSFORMATION IN THE BUILT ENVIRONMENT
- 15.40** **Keynote 4 – Amy Peck**
- 16.00** **Keynote Q&A discussion**
- 16.20** **End of Summit day 1**
- 16.30** **Bus to West Terminal 2**
TALLINK VICTORIA | DEPARTS AT 18.35.
Separate ticket needed for the ferry



MARK BRYAN (US)
Senior foresight manager,
Future Today Institute



AMY PECK (US)
Founder & CEO, EndeavorXR



4th October

Summit Day 2 – Tallinn

Tallinn Creative Hub

- 8.30** **Doors open, morning coffee**
- 9.00** **Opening**
HOSTED BY: Hele-Mai Metsal and Jaan Saar
- 9.10** **Partner session 3**
CITY OF TALLINN
- 9.20** **Keynote 5 – Amy Marks**
- 9.40** **Keynote 6 – Kevin Cardona**
- 10.00** **Keynote Q&A discussion**
- 10.20** **Partner Session 4**
HML Project Management
- 10.30** **Coffee Break**
- 10.50** **COMMUNITY SESSION 4**
Design
HOSTED BY: Hele-Mai Metsal



AMY MARKS (US)
Queen of Prefab



KEVIN CARDONA (FR)
Director of Entrepreneurial
Innovation, Leonard

ARCHITECTS ENGINEERS AND CONSULTANTS PROPERTY OWNERS

- Circular design priorities in selected countries**
Dr Tiina Vainio-Kaila, VTT Technical Research Centre of Finland, Finland
- Environmental handprint – leading environmental responsibility in expert work with data**
Katarina Varteva, AINS Group, Finland
Sonja Oksanen, AINS Group, Finland
- Leveraging Building Information Modeling (BIM) for Carbon Footprint Analysis in Infrastructure Design Contractors**
Patrik Virkus, Skepast&Puhkim OÜ, Estonia
- Modeling emergence of design for disassembly market for construction components**
Prof. Antti Kurvinen, Tampere University, Finland
- Revolutionizing Real Estate with Structural Digital Twins: A New Era for Enhanced Productivity and Sustainability**
Anssi Auvinen, Aecmaster Oy, Finland

- 11.50** **Lunch Break**

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12.50

COMMUNITY SESSION 5

Digital Construction Site

HOSTED BY: Antti Aaltonen

ENGINEERS AND CONSULTANTS PROPERTY OWNERS CONTRACTORS

Performance-Driven Construction & AI Use Case

Risto Vahenurm, Nordecon AS, Estonia
Patrick Cope, Buildots, United Kingdom

Jatke Site View – empowering construction sites with mission critical data

Mikko Kuusakoski, Jatke Oy, Finland

Solving worksite productivity issues with KONE SiteFlow

Fabien Fedy, KONE, Finland

How AI can benefit risk management in the construction project?

Dr Sami Kärnä, Inclus, Finland

4D Scheduling and CO2 Visualization for Improving Project Management in Building Construction

Jouni Ojala, Granlund, Finland

13.50

COMMUNITY SESSION 6

Digital Lifecycle

HOSTED BY: Jaan Saar

CITIES AND MUNICIPALITIES PROPERTY MANAGERS AND SERVICE PROVIDERS PROPERTY OWNERS

Skanio A Digital Survey Company

Alessandro Pilone, Skanio Oy, Finland

Digital Building Stock: The driver to developing new business models for renovation construction

Marianna Heikinheimo, Ark-Byroo, Finland

WLC evaluation supported by GIS-BIM based AMS: the case study of the UniTO building stock

Daniele Accardo, University of Turin, Italy

Information flow in the construction of public areas and information management with gis in the city model

Elmeri Ahti, City of Vantaa, Finland
Iris Nurminen, City of Vantaa, Finland

3D Reconstruction of Built Environment with AI.

Rahul Tomar, DigitalTwin Technology GmbH, Germany

Engaging AI and data driven digital twins to eliminate critical sustainability underperformance in the built environment

Dr Stanimira Markova, RWTH Aachen University, Germany

14.50

Coffee Break

15.10

Partner Session 5

Urban Hub Europe (UHE)

15.20

Keynote 7 – William Stewart

THE RISE OF HEALTH AND WELL-BEING WITHIN REAL ESTATE AND ITS IMPLEMENTATION WITHIN BUSINESS MODELS



WILLIAM STEWART (UK)
Health and Well-being
Advisor, Ekkist



MICHAEL JACKSON (FR)
Multiple Capital

15.40

Keynote 8 – Michael Jackson

FIRESIDE CHAT WITH SEASONED VC AND LINKEDIN TOP VOICE MICHAEL JACKSON ABOUT CHANGING BUSINESS MODELS IN AEC, THE IMPACT OF AI AND WHY EUROPE IS FALLING BEHIND US AND ASIA

16.00

Keynote Q&A discussion

16.20

End of Summit Day 2

16.30

Drinks and snacks before the Awards

WDBE 2024 Awards

17.00

Opening

17.10

Keynote – Christopher Mills

PROBLEMS, 4 SOLUTIONS, AND 3 NEW BUSINESS MODELS



CHRISTOPHER MILLS (FI)
Kiilto Ventures

17.25

Announcing the Winners

- Category 1 – Most innovative digital project delivery
- Category 2 – Best research for digital built environment
- Category 3 – Most impactful digital act for sustainability
- Category 4 – Most promising digital solution
- Category 5 – Best use of location information, with Location Innovation Hub
- Category 6 – Most pioneering business model

19.00

Afterparty at Tallinn town hall

From 19:00 to 21:00, the City of Tallinn is honored to host you for the final discussion and networking session of the summit. Speeches will be given by Margot Roose, Tallinn's Deputy Mayor for Entrepreneurship, and Tiit Hion, Chairman of the Board at the Estonian Digital Construction Cluster.