

Tuesday, 15th January

9:00 Registration and morning Coffee

Opening Session

Chaired by:
Venue: Small auditorium

10:00 WELCOME FROM THE ORGANIZING COMMITTEE

10:05 OPENING WORDS
Kari Wihlman, Finnish Transport Agency

10:20 KEYNOTE LECTURE

Country reports

Chaired by:
Venue: Small auditorium

11:00 ROAD MAP OF DIGITAL DESIGN AND CONSTRUCTION OF THE FEDERAL MINISTRY OF TRANSPORT AND DIGITAL INFRASTRUCTURE - A USE CASE DRIVEN APPROACH
Thomas Liebich* (BIM4INFRA Consortium)

11:20 BANEDANMARK AND THE DANISH ROAD DIRECTORATE COLLABORATES ON THE DIGITAL TRANSFORMATION OF THE DANISH INFRASTRUCTURE INDUSTRY
Gita Mohshizadeh* (Banedanmark), Anna Rosenkrantz* (Banedanmark)

11:40 TBA

infra BIM OPEN TAMPERE 2019

12:15 Lunch, Exhibition and Networking

Asset Management 1

Chaired by:
Venue: Small auditorium

13:30 COMBINING EXISTING ASSET DATA IN RAILWAY INFRASTRUCTURE WITH BIM AND GEOSPATIAL DATA

Chi Zhang* (applitec GmbH / Ghent University), Pieter Pauwels (Ghent University), Odilo Schoch (ETH Zurich / Schoch Arch. Serv. LLC), Andreas Pinzenöhler (IQSOFT), Billal Mahoubi (Swiss Federal Railway SBB)

14:00 THE EUROTL: ASSET INFORMATION MANAGEMENT FOR EUROPEAN ROADS USING SEMANTIC WEB AND LINKED DATA

Jan Erik Hoel* (Trimble Solutions Sandvika), Lars Wikström (Triona), Bart Luiten* (TNO), Benno Koehorst (RWS)

14:30 DIGITAL USE CASES FOR BRIDGE FACILITY MANAGEMENT

Inka Lappalainen* (VTT Technical Research Centre of Finland Ltd), Markku Kiviniemi (VTT Technical Research Centre of Finland Ltd), Päivi Puntila (Trimble Solutions Oy), Pekka Toivola (Savcor Tempo Oy)

Planning and Design 1

Chaired by:
Venue: Duetto 1

13:30 JOKERI LIGHT RAIL - INFORMATION MANAGEMENT IN ALLIANCE MODEL

Liisa Kempainen* (Sito), Juuso Kuusinen* (YIT)

14:00 UTILIZATION OF BIM IN DESIGN AND CONSTRUCTION - BLOMINMÄKI WASTEWATER TREATMENT FACILITY

Lari Metsäpelto* (YIT Infra Oy), Tommi Lius* (Pöyry Finland Oy)

14:30 BIM IN DEVELOPMENT OF LARGE MULTI-PROJECT AREAS

Heidi Piironen* (City of Helsinki), Jarkko Räsänen* (FCG Desing and Engineering Ltd)

Research 1

Chaired by:
Venue: Duetto 2

13:30 IMPORTANCE OF GEOLOGICAL AND GEOTECHNICAL MODELS IN INFRABIM - CASE STUDIES IN ENGINEERING PROJECTS

Rie Kudoh* (OYO corporation), Syoichi Nishiyama (OYO corporation), Hiromasa Shima (OYO corporation)

14:00 ENHANCING MOTIVATION AND SKILLS DEVELOPMENT IN BUILDING INFORMATION MODELLING FOR INFRASTRUCTURE TOPICS BY USING ACTIVE LEARNING METHODS

Raido Puust* (Tallinn University of Technology)

14:30 VISUALISATION OF RISK INFORMATION IN BIM TO SUPPORT RISK MITIGATION AND COMMUNICATION: CASE STUDIES

Lari Tuominen* (Ramboll Finland Oy)

Challenger 1

Chaired by:
Venue: Riffi

xx:xx REAL VALUE OF DIGITAL CONSTRUCTION CONTINUUM

Erkki Mäkinen* (Trimble), Tuomas Hörkkö* (Point Group Oy)

xx:xx INFORMATION FLOW IN INFRA CONSTRUCTION PROJECT

Heikki Halttula* (Viasys VDC Oy)

xx:xx MACHINE CONTROL DESIGNED FOR OPEN INFRABIM

Teemu Virtanen* (Novatron Oy)

15:00 Coffee, Exhibition, Networking

Asset Management 2

Chaired by:
Venue: Small auditorium

15:45 INFRABIM AS-BUILT MODEL OF THE TALLINN AIRPORT AIRSIDE AREA DEVELOPMENT PROJECT

Jüri Pärtna* (Reaalprojekt OÜ), Risto Vahenurm* (BIMConsult OÜ), Jaanus Veskla* (Tallinn Airport)

16:15 DIGITALISATION FOR WATERWAY INFRASTRUCTURES - FIRST STEPS AND FIRST EXPERIENCES

Joerg Boedefeld* (Federal Waterways Engineering and Research Institute)

16:45 BIG IN SWEDEN - COCLASS FOR ASSET MANAGEMENT

Mikael Malmkvist* (Swedish Building Services), Mikael Törnkvist* (The Swedish Transport Administration)

17:15 EDISON - BRIDGE INSPECTION USING UAVS AND ARTIFICIAL INTELLIGENCE

Peter Furtner* (VCE)

Construction 1

Chaired by:
Venue: Duetto 1

16:15 THE NEW METRO » NACKA, SÖDERMALM AND SOUTHERN SUBURBS

Conrad Malmstedt Ledin* (Sweco Civil AB)

16:45 TAMPERE DECK AND ARENA - CONSTRUCTION PROJECT OVER RAILWAYS - PROVIDING THE RIGHT INFORMATION TO MAKE THE RIGHT DECISIONS

Aki Kopra* (Kreate Oy), Eero Särkkä* (Ramboll Finland Oy)

17:15 CASE VALTARI - ALLIANCE TO DELIVER NEW ROAD IN LAHTI REGION WITH TIGHT COLLABORATION

Kyosti Kanerva* (Pöyry Finland), Heikki Lehkonen* (Skanska Infra)

15:45 INFRABIM WORKFLOW ON SITE AT NORWAY AND FINLAND - SUCCESS STORIES AND DIFFERENCES BETWEEN TWO NORDICS

Petteri Palviainen* (Novatron Oy)

Digital System 1

Chaired by:
Venue: Duetto 2

15:45 BIM IMPLEMENTATION FOR THE RAIL BALTICA GLOBAL PROJECT

Raitis Busmanis* (RB Rail AS), Jovita Starynina* (RB Rail AS)

16:15 DYNAMO: AN EASY AND HELPFUL TOOL IN THE DESIGN OF A SCENIC FOOTBRIDGE

Rosa Maria Torra Reventós* (Sabadell City Council)

16:45 CREATING BIM »AS BUILT« 3D ROAD ELEMENTS BASED ON EXISTING ROADS POINT CLOUD SCAN DATA

Leon Leban* (CGS Labs d.o.o.)

17:15 FROM DATA TO BRIDGE DESIGN

Eetu Partala* (Sweco)

Challenger 2

Chaired by:
Venue: Riffi

xx:xx 3D INFRASTRUCTURE DATA INTEGRATION IN BIM BASED CONSTRUCTION PROCESSES
Steffen Rabe* (RIB Information Technologies AG), Hans Schulz* (RIB Information Technologies AG)

xx:xx LOUHI PROJECT DASHBOARD - CASE RAIDE-JOKERI & KRUNUSILLAT PROJECTS

Oskari Liukkonen* (Sitowise)

xx:xx INTEROPERABILITY AND PROCESS WORKFLOW IN INFRASTRUCTURE ASSET MANAGEMENT DURING PLANNING, CONSTRUCTION AND MAINTENANCE LIFECYCLES

Jussi Laaksonen* (Trimble Solutions Corporation)

xx:xx WORKSITE COLLABORATION WITH INTERACTIVE DRONE MAPS AND LASER SCANNING DATA

Lauri Hartikainen* (Pointscene.com)

xx:xx DATA DRIVEN INFRASTRUCTURE AND AUTOMATED DESIGN
Phil Langley* (Bryden Wood), Maria Mamoura (Bryden Wood)

19:00 Conference Dinner

*Presenting author

Wednesday, 16th January

8:00 Registration

Planning and Design 2

Chaired by:
Venue: Small auditorium

09:00 FULLY INTEGRATED BIM IN NORWEGIAN RAILWAY PROJECT

Simen Riseng Olsen* (Norconsult AS), Thomas Fløien Angeltveit (Norconsult AS)

09:30 LIFE CYCLE PERFORMANCE FROM BIM FOR MAJOR INFRASTRUCTURE: CASE STUDY HS2, UK

Panu Pasanen* (Bionova Ltd.), Rodrigo Castro (Bionova Ltd.)

10:00 FIRST STEPS IN THE WORLD OF BIM IN ESTONIA

Erko Puusaag* (Estonian Road Administration)

Digital System 2

Chaired by:
Venue: Duetto 1

09:00 THE ROAD FROM CONNECTED BIM TO OPEN BIM

Peter Imbrechts* (Neanex), Victor Malvar* (Neanex)

09:30 BIM + GIS: THE KEY INGREDIENTS FOR DIGITAL TWIN

Jarkko Männistö* (Sitowise Oy), Kari Tuukkanen (Sitowise Oy)

10:00 INFORMATION FLOW IN DESIGN PHASE CASE YLÄSTÖ CITY OF VANTAA

Susanna Leinonen* (Ramboll Finland Oy), Marika Orava* (City of Vantaa)

Standards, guidelines, classifications 1

Chaired by:
Venue: Duetto 2

09:00 IFC INFRA DEVELOPMENT

Tiina Perttula* (Ramboll Finland Oy), Christophe Castaing* (Egis)

09:30 GEOBIM FOR FULL UNDERGROUND BIM DESIGN

Mats Svensson* (Tyréns AB), Olof Friberg (Tyréns AB)

10:00 THE PASILA-RIIHIMÄKI PROJECT

Teppo Rauhala* (Novatron Oy), Maunu Tast* (Sitowise Oy)

Challenger 3

Chaired by:
Venue: Riffi

xxxx DIGITAL INFRASTRUCTURE – HOW TO UNLOCK THE TRUE VALUE OF BIM IN INFRASTRUCTURE PROJECTS

Ralph Pullinger* (ALLPLAN UK Ltd)

xxxx ALL IN – BIM, CIM AND AIM FOR BUILT ENVIRONMENT

Teemu Nivel* (Point Group Oy)

xxxx STANDARDISING PRODUCT DATA FOR DIGITAL USE

Lars Chr. Fredenlund* (coBuilder AS)

10:30 Coffee, Exhibition and Networking

Standards, guidelines, classifications 2

Chaired by:
Venue: Small auditorium

11:00 BIM IN LANDSCAPE - DEVELOPING LANDSCAPE INFORMATION MODELING

Iida Juurinen (Ramboll Finland Oy), Vilma Pylkkö* (Ramboll Finland Oy)

11:30 PILOTING MODEL-BASED ADMINISTRATIVE PROCESSING OF ENGINEERING PLANS

Maija Ketola* (Sitowise Oy), Jenna Johansson (Liikennevirasto)

12:00 A STUDY ON COBIE IN ROAD INFRASTRUCTURE PROJECTS

Daniel Söderlindh* (The Swedish Transport Administration)

Construction 2

Chaired by:
Venue: Duetto 1

11:00 PILOT PROJECT - CASINO HOI AN SOUTH PHASE 1

Luat Nguyen* (COTECCONS JSC), Trung Trung (COTECCONS JSC)

11:30 HIGHWAY 4 KELLO - RÄINÄNPERÄ ROAD BUILDING PROJECT: DIGITAL QUALITY MANAGEMENT

Olli Planting* (Destia), Jukka Päckilä (Liikennevirasto)

12:00 BIM AND SITUATIONAL AWARENESS IN PROJECT MANAGEMENT

Jarkko Aittoniemi* (Sweco PM), Eelon Lappalainen* (Sweco PM)

BIM Competences

Chaired by:
Venue: Duetto 2

11:00 A "LESS-IS-MORE APPROACH" TO PROCUREMENT FOR INFRASTRUCTURE PROJECTS

Odilo Schoch* (ETH Zurich / Schoch Arch. Serv. LLC), Billal Mahoubi (Swiss Federal Railway SBB)

11:30 LET'S WAKE UP - LIMITED THINKING FOR BIM

Antti Karjalainen* (WSP)

12:00 TRAINING AND DEVELOPMENT MODEL TO ACHIEVE BIM COMPETENCIES IN CONSTRUCTION AND DESIGN TEAMS

Nada Milivojevic* (Coventry University), Abdullahi Ahmed (Coventry University)

Challenger 4

Chaired by:
Venue: Riffi

xxxx INFRACONSTRUCTION IN YEAR 2025

Teemu Kivimäki* (Infrakit)

xxxx SPEEDING UP BIM COLLABORATION

Kim Nyberg* (Trimble Solutions Corporation)

xxxx RETHINKING THE BUILDING INFORMATION MODEL

Henriikka Keskinen* (VRT Finland Oy Ltd.)

12:30 Lunch, Exhibition and Networking

Co-Operation and Future

Chaired by:
Venue: Small auditorium

13:30 NORDIC PUBLIC CLIENT'S BIM CO-OPERATION

Ingemar Lewen* (The Swedish Transport Administration)

14:00 IFC RAIL: OVERVIEW AND METHODOLOGY

Christian Erismann* (bSI IFC Rail Project and SBB Swiss Federal Railways), Chi Zhang (bSI IFC Rail Project and SBB Swiss Federal Railways)

14:30 UNIFIED CLASSIFICATION IS A REQUIREMENT FOR FUNCTIONING OPEN BIM

Josefiina Saarnikko* (Sitowise Oy)

Closing Keynote

Chaired by:
Venue: Small auditorium

15:00 THE TWIN CITY IN HELSINKI-TALLINN AREA WILL BOOST ECONOMIC GROWTH AND OPEN THE DOORS TO EUROPE

Jyrki Keinänen* (AINS Group)

15:30 CLOSING ADDRESS

Jyrki Keinänen

infra
BIM
OPEN
TAMPERE
2019

*Presenting author