buildingSMART
International home of openBIM

International Standards Summit
PROGRAM

Tuesday 16ᵗʰ October 2018

**Plaza Heisei International Conference Hall &
National Museum of Emerging Science and
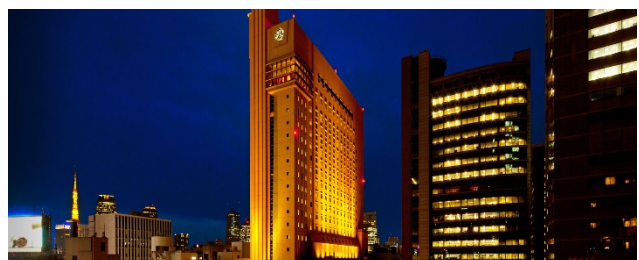Innovation**

2 Chome-2-1 Aomi, Koto, Tokyo 135-0064,
Japan

Opening Plenary
International Standards Summit

Welcome / Introduction

9:30 ❙**Summit Introduction:**
Richard Kelly *(buildingSMART International)*

9:40 ❙**Welcome from Chief Executive:**
Richard Petrie *(Chief Executive, buildingSMART International*

10:10 ❙**Welcome from buildingSMART Japan:**
Junnichi Yamashita *(Chairman, buildingSMART Japan)*

10:20 ❙**Welcome from Minister of Land, Infrastructure, Transport and Tourism:**
Keiichi Ishii

Future Vision

10:25 ❙**i-Construction: Toward the Revolutionary Improvement of Productivity in Construction:** Mr Masafumi Mori
(Vice-Minister of Land, Infrastructure, Transport and Tourism)

10:55 **Break**

11:20 ❙**openBIM throughout the lifecycle of a building:** Wolfgang Hass *(Siemens Schweiz AG)*

11:50 ❙**Japanese Chapters response to the growing digital challenge:** Mr Kazumi Yajima *(Kajima Corporation)*

12:20 ❙**Proof of Concept (PoC) for use of bSDD:**
Knut Mathisen *(GS1 Norway)*
Aleksander Bjaaland *(Holte)*
Halvard Gavelstad *(Norsk Byggtjeneste)*

13:00 **Lunch at the Media Hall**

Recent Innovations

14:00 ❙**3D Underground Model** Mr Hiro Shima *(OYO Corporation)*

14:30 ❙**buildingSMART Norway concept for Livinglab: X Hackathon:** Anstein Skinnarland / Anne Mevatne / Sigve Pettersen

14:50 ❙**JR-EAST's Strategy for BIM:** Takaya Nagai *(East Japan Railway Company)*

15:20 **Break**

16:40 **Roadmaps**
❙**Standards Roadmaps:** (Panel Discussion)

17:40 **Chairman's Address**
❙**Patrick MacLeamy** *(buildingSMART International Chairman)*

18:00 **Group photo**

19:30 **Welcome & Awards Dinner**

Dai-Chi Hotel Tokyo - Welcome & Awards Dinner
1 Chome-2-6 Shinbashi,
Minato,
Tokyo 105-8621,
Japan

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Wednesday 17th October 2018

Plaza Heisei International Conference Hall & National Museum of Emerging Science and Innovation

2 Chome-2-1 Aomi, Koto, Tokyo 135-0064, Japan

		Technical Focus Rooms			User Focus Rooms				bSI General
		Building Room	Infrastructure Room	Product Room	Regulatory Room	Construction Room	Airport Room	Railway Room	
Room		Mercury/Mars	Innovation Hall	Jupiter	Room 2	Uranus	Room 3	Saturn	Venus
08:30		Registration – Morning welcome							
09:00	Session 1	**BR1** Opening plenary	**IR1** Opening session	**PR1** Opening session	**RR1** *Steering Committee **(Steering Committee Members only)**	**CR1** Opening session 'Trend of BIM in construction'	**AR1** Opening plenary & feedback on roadmap	**RWR1** Opening plenary	**bG1** Professional Certification
10:30		Break							
11:00	Session 2	**BR2** Roadmap for the Building Room	**IR2** Joint session IR/RWR Common Schema **Innovation Hall**	**PR2** Shared Terminology - Standards, ISO, CEN and other national standards	**RR2** Seminar	**CR2** Case Study of BIM in Construction Phase (1)	**AR2** Common Data Environment (CDE) functional requirements	**RWR2** Joint session IR/RWR Common Schema **Innovation Hall**	**bG2** bSI Awards Program
13:00		Lunch							
14:00	Session 3	**BR3** LOX Roundtable	**IR3** IFC Bridge Expert Panel	**PR3** Shared Terminology - panel on Libraries, Tools and Procedures	**RR3** Seminar	**CR3** Case Study of BIM in Construction Phase (2)	**AR3** Missing IFC assets classes	**RWR3** IFC Rail Project Progress Report	**bG3**
15:30		Break							
16:15	Session 4	**BR4** Joint session IR/PR/RWR Open Information Exchange on Projects **Innovation Hall**	**IR4** Joint session BR/PR/RWR Open Information Exchange on Projects **Innovation Hall**	**PR4** Joint session BR/IR/RWR Open Information Exchange on Projects **Innovation Hall**	**RR4** Auto Code checking Application Form MVD	**CR4** Use of openBIM for construction	**AR4**	**RWR4** Joint session BR/IR/PR Open Information Exchange on Projects **Innovation Hall**	**bG4** Dfma and Lean Use Case
18:00		Close							

* Members & Chapter Representatives working session, this is closed to non-members of buildingSMART International

Thursday 18th October 2018

Plaza Heisei International Conference Hall & National Museum of Emerging Science and Innovation

2 Chome-2-1 Aomi, Koto, Tokyo 135-0064, Japan

		Technical Focus Rooms			User Focus Rooms				bSI General
		Building Room	Infrastructure Room	Product Room	Regulatory Room	Construction Room	Airport Room	Railway Room	
Room		Mercury/Mars	Innovation Hall	Jupiter	Room 2	Uranus	Room 3	Saturn	Venus
08:30		Morning welcome							
09:00	Session 5	**BR5** IDM Model Setup	**IR5** IFC Ports & Harbors Expert Panel	**PR5** Content Quality Management Procedures **(Working Group)**	**RR5** E-submission guidelines	**CR5** Use of openBIM for construction	**AR5** Conclusions Shared session	**RWR5** IFC Rail Project Uses Cases	**bG5** Report from chapters and members, how to engage and contribute
10:30		Break							
11:00	Session 6	**BR6** IFC for Landscapes Sites and Urban Planning	**IR6** IFC Road Expert Panel	**PR6** Product Data Templates **(Working Group)**	**RR6** Regulatory Room Road Map	**CR6** Introduction to Activity of bSJapan 'MEP and Environment Sub Committee'	**AR6** IFC-Doc Overview & Explanation	**RWR6** IFC Rail Project Domain Discussion **(Working Session)**	**bG6**
13:00		Lunch							
14:00	Session 7	**BR7** Projects and Use Case Presentations	**IR7** What next? Workshop beyond IFC5	**PR7** Classification in Models **(Working Group)**	**RR7**	**CR7** Use of openBIM for construction	**AR7** Model view definition (MVD) for GIS	**RWR7** IFC Rail Project Inter-Domain Discussion **(Working Session)**	**bG7** *bSI Strategy IFC & bSDD **(Members & Chapter Representatives only)**
15:30		Break							
16:15	Session 8	**BR8** Closing session	**IR8** Closing session Summary & Resolutions	**PR8** Closing Session	**RR8**	**CR8** Closing Plenary: Summarize & Proposal for Resolution	**AR8** Closing Session	**RWR8** Closing Plenary: Summarize & Proposal for Resolution	**bG8** *bSI Strategy IFC & bSDD **(Members & Chapter Representatives only)**
18:00		Close							

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Friday 19ᵗʰ October 2018

Akasaka Intercity AIR

1 Chome-8- 1 Akasaka, Minato, Tokyo 107-0052, Japan

Closing Plenary
of the International Standards Summit

| buildingSMART's International Standards
Summit conclusions

9:00 | **Richard Kelly**
Rooms and groups' actions arising, resolutions and future workplans
| **ISG:** Jeffrey Ouellette
| **IFC Strategy Development:** Greg Schleusner
| **Infra Room:** Tiina Perttula
| **Product Room:** Roger Grant
| **Regulatory Room:** Øivind Rooth
| **Construction Room:** Ken Endo

| **Airport Room:** Alex Worp
10:40 | **Building Room:** David Ivey / John Mitchell
10:50 | **Railway Room:** Winfried Stix
11:10 | **Professional Certification:** Sarah Merz
11:30 | **IDBE Update:** Jim Plume / Carsten Roensdorf
| **BIM basic IDM:** Mathijs Natrop
11:50 | **Workflow set up to allow openBIM and GIS alignment:** John Mitchell
| **Closing Address:** Richard Petrie

openBIM Japan
Industry Afternoon

Akasaka Intercity AIR: 13:00 – 18:00

13:00 | **The Status of BIM Adoption in the United States:**
James Vandezande, HOK, buildingSMART USA

14:00 | **Introduction to buildingSMART Professional Certification Program and Lessons Learned from German Chapter:**
Sarah Merz, DEUBIM, buildingSMART Germany

14:40 | **buildingSMART Infrastructure Room:**
Christophe Castaing, buildingSMART France

15:00 | **IDBE, interoperability standards for geospatial BIM:**
Jim Plume, buildingSMART Australasia

15:30 | **Break**

15:45 | **i-Construction: Toward the Revolutionary Improvement of Productivity in Construction:**
Daisuke Nasu, Ministry of Land, Infrastructure, Transport and Tourism

16:15 | **Domestic and International BIM/CIM Collaboration works in Penta-Ocean Construction Co. Ltd:**
Tsuyoshi Kotoura, PENTA-OCEAN CONSTRUCTION CO.,LTD
| **Importance of geological and geotechnical subsurface model for lifecycle management of infrastructure:**
Syoichi Nishiyama, OYO CORPORATION

16:45 | **Improving Productivity of Public Building Project by utilizing BIM (TBC):**
Tsuyoshi Yamada, Ministry of Land, Infrastructure, Transport and Tourism

17:15 | **Application for building confirmation by digital data:**
Kensuke Yasui, NIKKEN SEKKEI LTD

Meeting descriptions for the 17ᵗʰ and 18ᵗʰ of October

This list gives a brief description of the content of each working session to help you make your attendance selection.
If you require more information, please contact contact@buildingsmart.org (indicating the room concerned)

Building Room meetings Contact: Ricardo Bittini

BR1 Opening plenary

BR2 Roadmap for Building Room – The Building Room Steering Committee will present their thoughts on the need for a strategic roadmap for the Building Room to engage in activities that meets the Industry needs. All participants are invited in to an open discussion to share their thoughts and insights from the industry as input to this work.

BR3 LOX Roundtable : The final report of the LOX will be presented, and participants are invited in to a Roundtable – session where input, feedback and experiences are shared.

BR4 Open Information Exchange on Projects (joint with BR/IR/PR/RWR) - identification of information exchange needs and requirements on representative use cases for energy modelling of buildings, bridge design to construction and rail

systems modelling and how bSI standards and applications are evolving to meet the wide range of requirements represented by current needs for, and uses of, bSI standards.

BR5 IDM Model Setup

BR6 IFC for Landscape, Sites and Urban Planning. This is a new project that will be presented, and objectives and expectations will be set for the project. Interested parties are invited, and there will be a call for participation in the further work.

BR7 Projects and Use Case Presentations: There will be a presentation of different projects and use cases.

BR8 Closing session: Summary of the work and input from the sessions, and the Steering Committee will discuss their further plans for the work in the Building Room.

Infrastructure Room meetings Contact: Christophe Castaing

IR1 Opening session: introduction, Summit program and Infra Room Steering Committee election results 2018.

IR2 IFC Common Schema (joint session RWR): progress update on Sprint 1 (Spatial Structure, Geotechnics and Earthworks); Rail Project update.

IR3 IFC Bridge Expert Panel: presentation of draft schema extension and request for Expert feedback.

IR4 Open Information Exchange on Projects (joint with BR/IR/PR/RWR) - identification of information exchange needs and requirements on representative use cases for energy modelling of buildings, bridge design to construction and rail systems modelling and how bSI standards and applications are evolving to meet the wide range of requirements represented by current needs for, and uses of, bSI standards.

IR5 IFC Ports & Harbors: presentation of draft Requirement Analysis report including in scope use cases, Process map and exchange requirements, and proposed MVDs; opportunity for feedback.

IR6 IFC Road Expert Panel: presentation of Phase 1 Deliverable Requirement analysis report (draft for review), which Asset management requirements, scope statement and IFC Road use cases. Request for Expert Feedback.

IR7 "What Next?" Workshop: InfraRoom community discussion, thinking beyond current projects (IFC5) to what needs to be addressed over the next 5 years.

IR8 Closing session: Summary & Resolutions

Product Room meetings Contact: Roger Grant

PR1 Opening session: review previous meetings, active resolutions and status of bSDD planning, deployment and utilization, new project proposals review and discussion.

PR2 Shared Terminology – Standards, Libraries, Tools and Procedures - Review and discussion of related standards projects at CEN and ISO, review and discussion of tools for working with terminology, utilization of IFC entities and properties in bSDD and procedures for use, translation, updating, presentation on efforts underway in Norway and overviews from other initiiatives (participation TBD) followed by discussion of how collaborate on efforts and share content and procedures.

PR3 Shared Terminology – Standards, Libraries, Tools and Procedures (Cont'd.)

PR4 Open Information Exchange on Projects (joint with BR/IR/PR/RWR) - identification of information exchange needs and requirements on representative use cases for energy modelling of buildings, bridge design to construction and rail systems modelling and how bSI standards and applications are evolving to meet the wide range of requirements represented by current needs for, and uses of, bSI standards.

Meeting descriptions for the 17th and 18th of October

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PR5 Content and Quality Management Procedures WG Workshop - update on development of methods and approaches for creating and managing quality of content, coordination with related ISO and CEN standards, representatives of current bSDD Agents sharing their procedures/experiences.

PR6 Product Data Templates WG Status and Working Session - update on activity and discussion of pilot testing with s/w vendors and product manufacturers, review of draft standard prior to submission.

PR7 Classification in Models WG Workshop - update on deployment of classifications systems including ETIM, OmniClass, UniClass and eCl@ss and how to develop standard for use with OpenBIM models.

PR8 Library Exchange Standard (LEXS) WG Workshop and Closing Session - representatives of the joint WG with InfraRoom will update on status, plans, open issues for coordination with other Product Room Working Groups and closing plenary of Product Room to address technical and implementation issues, resolutions.

Regulatory Room meetings Contact: Øivind Rooth

RR1 Steering Committee Meeting
RR2 Seminar
RR3 Seminar
RR4 Auto code checking Application Form MVD

RR5 E-submission guidelines
RR6 Regulatory Room Road map
RR7
RR8

bSI General meetings Contact: Richard Kelly

bG1 Professional Certification
bG2 bSI Awards Program
bG3
bG4 Dfma and Lean Use Case

bG5 Report from chapter and members
bG6
bG7 bSDD & IFC
bG8 bSDD & IFC

Construction Room meetings Contact: Ken Endo

CR1 Opening session "Trend of BIM in Construction"
CR2 Case Study of BIM in Construction Phase (1)
CR3 Case Study of BIM in Construction Phase (2)
CR4 Use of openBIM for construction

CR5 Use of openBIM for construction
CR6 Introduction to Activity of bSJapan "MEP and Environment Subcommittee"
CR7 Use of openBIM for construction
CR8 Closing Plenary: Summarize & Proposal for Resolution

Airport Room Contact: Alex Worp, Rob Roef – airport@buildingsmart.org

AR1 Opening Plenary & Feedback on Roadmap
AR2 Common Data Environment (CDE) Functional Requirements - During the Spring 2018 Paris meeting, the AR team gathered a list of desired CDE requirements, regardless of current software solutions deemed important. All 24 requirements were captured on a flip board, with open standards at the top of the list. The next step is to condense this "wish list" to 10 primary CDE functional requirements for Airport operations.

AR3 Missing IFC assets classes - Currently, the IFC schema does not contain every Airport object class (entity), and instead uses a generic (proxy) object for missing entities. This temporary substitution is causing standardization issues for the receiver of an exported IFC file from a BIM software application (important to Airports today and must be addressed to expand the use of IFC).

AR4 Participate on other joined sessions - Every attendee is required to visit other Room's sessions.

Meeting descriptions for the 17th and 18th of October

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AR5 Conclusions Wednesday shared sessions: Feedback on the sessions last day and liaisons.

AR6 IFC-Doc Overview & Explanation: IfcDoc is a free tool created by Tim Chipman that gives the opportunity to create a model view definition that is corresponding to your needs. This tool can also validate an existing file based on a predefined MVD.

AR7 Model view definition (MVD) for GIS: GIS does not need all the data that can exist in an IFC file. According to the different products in GIS, different geometry and attributes need to be extracted from a model. Therefore, MVDs that correspond to the different products related to Safety, Space management etc. have been created, in order to give the opportunity to the users to immediately export the IFC file with only the needed information in it.

AR8 Closing Session: Conclusions

Railway Room

Contact: Winfried Stix, Suo Ning, Christian Erismann

RWR1 Opening Plenary:
Opening the Session
IFC Rail project: explanation of the project to visitors
Steering Committee Spotlight
Domain progress report

RWR2 Joint Session IR/RWR Common Schema:
Geotechnical concepts – update
Earthworks - update
Spatial Structure - report on outstanding issues
Drainage systems – use case report
Alignment Extensions – including cant (railways) and skew (bridge transitions)
Railway Equipment - update

RWR3 IFC Rail Project Progress Report:
Report from Rome Workshop
IFC-Rail Tutorial Update
Common Schema Rail and Shared Elements: Challenges, Resources, Actual status
EXPRESS2UML

RWR4 Open Information Exchange on Projects (joint with BR/IR/PR/RWR): identification of information exchange needs and requirements on representative use cases for energy modelling of buildings, bridge design to construction and rail systems modelling and how bSI standards and applications are evolving to meet the wide range of requirements represented by current needs for, and uses of, bSI standards.

RWR5 IFC Rail Project Use Cases:
Generic use cases
Alignment
Overlapping use cases with EULYNX
Local data requirements vs. International standard

RWR6 IFC Rail Project Domain Discussion:
IFC Rail Domain Session: (working groups, no presentations)
data requirements consolidation
collaboration process within the domain
technical team splits to each domain

RWR7 IFC Rail Project:
IFC Rail Project Sessions: (working groups, no presentations)
domain discussion
Information flow in between domain
Collaboration process for common schema
Collaboration process for shared elements
Status of Resources

RWR8 Closing Plenary: Summarize & Proposal for Resolution
Discussion on Resolution
Closing Plenary: Summarize
Railway Room Resolution for the plenary session on Friday