Monday 28th October 2019

Opening Plenary
Hall B, Level 4, CNCC

09:00  Welcome/ Introduction
Richard Petrie (CEO, buildingSMART International)
Sun, Ying (Vice President, China Construction Technology Consulting Co. Ltd)
Welcome from the Local Host
Xiu, Long (President, China Construction Technology Consulting Co. Ltd.)
Welcome from China Government Official
Sun, Zyu (Vice President, China Communications Construction Company Ltd.)
Welcome From the Co-Host
Wang, Tongjun (Vice President, China State Railway Group Co., Ltd.)

09:25  Welcome from buildingSMART International: The True Value of Open Standards
Richard Petrie (CEO, buildingSMART International)

Part 1: Digital Construction: How digital technology is changing the face of construction?

09:55  Delivering Digital Projects:
Sean McGinn (Buildings Digital Leader, Arup)
Tristan McDonell (Chartered Civil Engineer and Director, Arup)

10:25  Japan's Construction BIM Leading the World to the Next Stage:
Kazumi Yajima (BIM Director, Kajima Corporation)

10:55  Morning Tea Break and Group Photo

11:15  Digital Supply Chains in the Built Environment
Enzo Blonk (Director Industry Engagement for Technical Industries, GS1)
Paul Surin (Associate Partner, IBM)

11:45  Panel Discussion: How can we speed up the digitization of the construction industry?
Yu, Je (President, China Design Digital Technology Co., Ltd.)
Liu, Boying (General Manager of Science and Technology Department, China Communications Construction Company Ltd.)
Suo Ning (Vice Director of CRBIM Expert Committee, China Railway BIM Alliance)
Kazumi Yajima (BIM Director, Kajima Corporation)
Mike Ramsay (Technical Director for Maritime and Aviation, Royal Haskoning)

12:30  Lunch (Hall A, Level 4, CNCC)

Part 2: Digital Asset Management: Why open standards help asset owners?

13:30  Liberating Data - Climbing the BIM Stairs Step by Step
Karin Anderson (bSI/ Board Member, Trafikverket)

14:00  Optimizing Data Management at Schiphol Airport Using Open Standards
Maya Tryfona (Data Engineer, Schiphol Airport)

14:30  Afternoon Tea Break

Part 3: "Towards a Digital Future"-Smart Cities: The compelling case for a digital city

15:00  Smart Cities - Integrating Digital Twin with Digital Workflow
Boon Khai (Singapore Land Authority, CEO)

15:30  Digital Twins of a City
Jarmo Suomisto (Project Manager, The City of Helsinki)

16:00  Panel Discussion: Smart Cities - Fact or Fiction?
Boon Khai (CEO, Singapore Land Authority)
Jarmo Suomisto (Project Manager, The City of Helsinki)
Wolfgang Hass (Principle Consultant, Siemens)
Frank Weiss (Senior Director, Oracle)

17:00  buildingSMART and the Open Design Alliance
Neil Peterton (President, Open Design Alliance)

17:10  The Solutions & Standards Program
Richard Kelly (Operations Director, buildingSMART International)

19:00 buildingSMART Awards Dinner (Hall B, Level 4, CNCC)
China National Convention Center (CNCC)
No.8-1 Beichen West Road,
Chaoyang District,
Beijing,
100105
China
Tuesday 29th October 2019

China National Convention Center (CNCC)
No.8-1 Beichen West Road,
Chaoyang District,
Beijing,
100105
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Technical Focus Rooms

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<th>Room</th>
<th>Technical Room</th>
<th>Building Room</th>
<th>Infrastructure Room</th>
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<td>Technical Room Opening Plenary</td>
<td>Introduction to buildingSMART Standards</td>
<td>Introduction to next phase of IFC for Infrastructure development</td>
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User Focus Rooms

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Session 1

09:00

9:00 TR1 Technical Room Opening Plenary
9:00 BR1 Building Room Project Updates
9:00 IR1 Infrastructure Room Program Updates
9:00 PR1 Product Room Session Update

Session 2

11:00

11:00 TR2 Current Working Group and Project Update
11:00 BR2 Opening Session / Roadmap Discussion
11:00 IR2 Common Schema (Infra Room Projects)
11:00 PR2 bSDD Needs and Requirements Workshop

Session 3

13:30

13:30 TR3 Serving the Technical needs of the Rail Room Projects
13:30 BR3 Building Room Project Updates
13:30 IR3 Infra Room Roadmap
13:30 PR3 bSII Standards and the Supply Chain (with GS1)

Session 4

15:30

15:30 TR4 Application Updates and Developments
15:30 BR4 Joint Session RWR Room 202
15:30 IR4 IFC Tunnel
15:30 PR4 Joint Session CR3 Room 303

Register – Morning welcome

Break

Break

Lunch

Break
Wednesday 30th October 2019

China National Convention Center (CNCC)
No.8-1 Beichen West Road,
Chaoyang District,
Beijing,
100105
China

Technical Focus Rooms

User Focus Rooms

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Registration – Morning welcome

Session 5

09:00

TR5
Linked Data
IFC, MVD, IDM, + BCF
Overview / Primer

BR5
IFC Ports & Waterways

IR5
Content / Quality
Management Procedures
Working Group

PR5

10:30

Session 6

11:00

TR6
Digital Twin Concepts
and Technology
Joint Session
CR6 / AR6
Room 202

BR6
Opportunities for
Automated Compliance
Joint Session
RR6
Room 402

IR6
IFC Road
Joint Session
RR2
Room 202

PR6
Product Data
Templates Working Group

Break

12:30

Lunch

Session 7

13:30

TR7
Project Review and
Planning
New Projects
2020 (Including
Electric System, Fire
Safety and People
Movement)
Joint Session
RR2
Room 302

BR7
Infra & Rail
Joint Session
Delivery Plan
& Harmonisation

IR7
Joint Session
RR2
Room 302

PR7

15:00

Break

Session 8

15:30

TR8
Project Review and
Planning
Closing Session
Joint Session
RR8
Room 302

BR8

IR8
Closing Session

PR8
Closing Session

17:00

RR8
Requirements
and regulations in
Infra projects

AR8
Mirroring the
AR-roadmap to the
summit topics and
making summit
conclusions

CR8
Closing Session

AR8

CR8

Thursday 31st October 2019

Closing Plenary
Level 1, Ballroom A

08:30  buildingSMART’s International Standards Summit conclusions

Program Lead: Richard Kelly  Rooms and groups’ actions arising, resolutions and future work plans

ISG: Jeffrey Ouellette
Technical Room: Greg Schleusner
Infra Room: Tiina Perttula
Product Room: (tbc)
Regulatory Room: Nicholas Nisbet
Construction Room: Ken Endo
Airport Room: Alex Worp
Building Room: David Ivey

10:00  IFC Rail
Winfried Stix (OBB-Infrastruktur AG, Lead Coordinator)

10:20  Universal Types - Making Construction Products More Accessible
Dirk Schaper (ProMaterial, CEO)

10:40  Morning Tea Break

11:00  Professional Certification Progress Report
Mark Baldwin (Managing Director, Digital Insights)
Sarah Merz (Head of Academy, EDUBIM)

11:20  IFC Bridge
Christophe Castaing (Egis, Director of Digital Engineering)

11:40  Closing Address:
Richard Petrie (buildingSMART International, CEO)

Friday 1st November 2019

BIM Project Visit

Project
National Speed Skating Oval (NSSO), Beijing

Date
Friday 1st November 2019

Agenda
09:00 a.m.  Departure (about 20mins drive from NCCC Grand Hotel/ Intercontinental Hotel to NSSO)
09:30 a.m.-10:30 a.m.  Project introduction and free discussion in the NSSO meeting room
10:30 a.m.-11:30 a.m.  Site visiting
11:30 a.m.-12:30 p.m.  Lunch
12:30 p.m.-13:00 p.m.  Back to hotel

Please Note
1. buildingSMART China will provide free bus between the hotel and the NSSO
2. More detailed information such as the bus license plate number will be sent to delegates via email
3. Any question about the project visiting, please contact Shuang Huang (huangs@cbs.com.cn, +86 18701322305)
Meeting descriptions for the 29 and 30 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)

### Technical Room meetings
Contact: Greg Schleusner (greg.schleusner@hok.com)

- **TR1**
  - Technical Room Opening Plenary - Reviewing Technical Room governance, processes, and services, sharing the vision and goals of a TR Roadmap, and discussing the criteria applied to prioritizing pursuit, interest, and funding of different initiatives and projects within the Technical Room domain.

- **TR2**
  - Current Working Group and Project Updates - Updates to community regarding current Working Group and Project Activities and looking for input on how to prioritize and fund. Includes CDE, Product Data, and the IDM Toolkit.

- **TR3**
  - Serving the Technical Needs of Rail Room Projects - What technical aspects to the Rail Room projects and activities need to be addressed by the Technical Room domain and initiatives (e.g. extending IFC through UML conceptual modelling)

- **TR4**
  - Open Standards, and the major component of the project documentation and process requirements of projects, including detailed definitions of: IFC (Industry Foundation Classes) format, MVD (Model View Definition), and IDM (Information Delivery Manual), BCF (BIM Collaboration Format), and bSDD (buildingSMART Data Dictionary).

- **TR5**
  - Linked Data - Updates on W3C & bSI LDWG Efforts regarding Linked Data.

- **TR6**
  - Digital Twin Concepts and Tech - Can bSI come to a common definition of what constitutes a "Digital Twin" and how it can be served by bSI standardized processes and technology.

- **TR7**
  - TR Project Review and Planning 1 - An open discussion between bSI Technical Leadership and the community regarding prioritization of ideas and how to move them forward.

- **TR8**
  - TR Project Review and Planning 2 - An open discussion between bSI Technical Leadership and the community regarding prioritization of ideas and how to move them forward.

### Building Room meetings
Contact: David Ivey (david.ivey@hok.com)

- **BR2**
  - This session will familiarize attendees with the Building Room Roadmap for the next 5 years. The roadmap consists of a short document outlining the goals of the room, and the means and methods of meeting the developed deadlines, and a graphical representation of current and future work schedules taking place over the next two years. Attendees are encouraged to submit ideas for inclusion into the roadmap.

- **BR3**
  - A run-down of currently active project in the Building Room. Each project will be reviewed, with time for any Q+A on each project. Attendees are encouraged to suggest ideas for possible future project for inclusion in the road map, or to office expertise and assistance for exiting projects.

### Infrastructure Room meetings
Contact: Tiina Perttula (tiina.perttulla@ramboll.fi)

- **IR1**
  - Infra Room Opening session: Introduction to next phase of IFC for Infrastructure development & presentations from industry.

- **IR2**
  - Progress update by the Common Schema project and presentation of draft deliverables.

- **IR3**
  - Presentation of the Infra Room Roadmap & progress update on the ongoing work with OGC within Integrated Digital Built Environment.

- **IR4**
  - Presentation of draft deliverables of the IFC Tunnel Requirement analysis phase, such as Use Cases & Request for feedback.

- **IR5**
  - Presentation of draft deliverables of the IFC Ports & Waterways project, such as Taxonomy & Request for feedback.

- **IR6**
  - Presentation of draft deliverables of the IFC Road Phase 2, such as the Conceptual Model & Request for feedback.

- **IR7**
  - Joint session with the Rail Room, focusing on the joint Delivery Plan and harmonization of the work within both rooms.

- **IR8**
  - Infra Room Closing session, in which the Infra Room Workplan will presented and input requested, among other topics such as a Regulatory Room presentation.
Product Room meetings  Contact: Espen Schulze (schulze@cobuilder.no), Michel Bohren (mib@crb.ch)

PR1  Opening Session - review agenda, review previous meetings notes and active projects and resolutions, update on PRSC roles, status of roadmap and planning efforts, update and status of related ISO/CEN standards efforts, discussion on IFC Translation project and revisions to proposal.

PR2  bSDD Workshop - bSDD needs and requirements for current use and version planning, bSDD business model status and discussion, CRB central user/license management model, bSDD content status and management issues, bSDD content status and development plan.

PR3  Supply Chain and bS1 Standards - with GS1 follow-up on sessions in Dusseldorf and status of joint efforts to meet needs from construction, manufacturing, supply and standards organizations for openBIM standards across the supply chain, current activities including bS1-ETIM-GS1 Proof of Concept Project and other relevant projects.

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, update on agent program, representatives of current bSDD Agents sharing their procedures/experiences.

PR6  Product Data Templates WG Status and Working Session - update on activity, implementing procedures for extending IFC in product data templates, discussion of pilot testing with software vendors and product manufacturers, CRB prototype, review of draft standard for submission.

PR7  Classification in Models WG Workshop - update on deployment of classifications systems including ETIM, eCI@ss, CRB classification mapping solution, and how to develop standard for use with OpenBIM models.

PR8  Closing Session - address planning, communications and implementation issues, work on PR Roadmap, develop resolutions.

Regulatory Room meetings  Contact: Nicholas Nisbet (nn@aec3.com)

RR2  Expert presentation and Expert panel Discussion on Business case for automated regulatory compliance (report) TED (by web conference).

RR3  Overview of Regulatory Room, charter, roadmap, projects.

RR4  Application progress: show-and-tell of commercial and research projects.

RR6  Joint session at Building Room on 'Opportunities for automated compliance'.

RR7  2020 Projects launch.

RR8  Joint discussion in infrastructure room on 'Opportunities for automated compliance'.

Construction Room meetings  Contact: Ken Endo (endouk@kajima.com)

CR1  Opening Session

CR2  Use Case of Construction BIM

CR3  QuantityTakeOff -Problems and Solutions

CR4  BIM & Logistics: Solution

CR5  Common Data Environment for "long term data repository", "Multi use of data"

CR6  Digital Twin at Construction Site

CR7  Technical Session

CR8  Closing Session

Airport Room meetings  Contact: Alex Worp (alexander.worp@buildingsmart.nl)

AR1  Opening session; Short Introduction AR-room & Introduction participants and why they joint AR session. Review Agenda, update on ARSC roles, Status of AR-Roadmap.

AR2  Updates on the developments at Schiphol Airport (Schiphol’s OTL and CDE) and the exchange of information with contractors (use of IFCXML as a configuration file format).

AR3  Usage of rules for IFC models and the Digital TWIN at Airports (Michael Friis Oersted Copenhagen Airport) Presentation by NACO-RHDHV IFC use in practice at big projects.

AR5  GIS and IFC; update in the development’s integration of GIS and IFC. And GIS use cases.

AR6  Joint session DIGITAL TWIN.

AR7  Airport IFC standards; The Civil Aviation University of China is developing IFC standards for the use of certification & project proposal missing IFC entities working session.

AR8  Mirroring the AR-roadmap to the summit topics and making summit conclusions.
Railway Room meetings  Contact: Winfried Stix (winfried.stix@buildingsmart.co.at)

RWR1  Presentation of the Deliverables of the IFC-Rail Project - Overview and Domains.

RWR2  Presentation of Deliverables, Requirements, Conceptual Model, IFC Candidate Standard.

RWR3  Progress of BIM work of various national railway companies. Joint Session in parallel: TR3 & RWR3 (Tech People will join) Serving the Technical Needs of Rail Room Projects.

RWR4  Library and Ontology Workshop. incl. bSDD.

RWR5  Tasks, Methods, Discussion. Preparation of the kick-off session at bSI Summit Oslo 2020.


RWR7  Common Schema: Project Proposal, Harmonisation, Funding.

RWR8  Closing Plenary – Summarize & Proposal for RWR Resolution.

bSI General meetings  Contact: Richard Kelly (richard.kelly@buildingsmart.org)

bG1  Professional Certification – Chapter Implementation: The Professional Certification committee will present an update on the development and implementation of the Individual Qualification program around the world. This is an opportunity for Chapter representatives to present their experiences and ask questions from the program team on hand. This session is also open for the general public.

bG2  UniversalTypes

bG3  Introduction to the governing process for buildingSMART programs and projects and the tools used. Useful for those active in the development of bSI standards.

bG4  Linking Ontologies

bG5  bSDD Agents Launch: Introduction of the Agents program, Website and Forums, Content Owners, Implementation of content and quality guideline for bSDD agents, Content plan and roadmap and presentation of Use cases from selections of agents.

Save the Date
buildingSMART International Standards Summit
Thon Hotel, Oslo
23-26 March 2020