

## Monday 28<sup>th</sup> October 2019

### Opening Plenary Hall B, Level 4, CNCC

09:00	<p><b>  Welcome/ Introduction</b> Richard Petrie (CEO, buildingSMART International) Sun, Ying (Vice President, China Construction Technology Consulting Co. Ltd)</p> <p><b>Welcome from the Local Host</b> Xiu, Long (President, China Construction Technology Consulting Co. Ltd.)</p> <p><b>Welcome from China Government Official</b> <b>Welcome From the Co-Host</b> Sun, Ziyu (Vice President, China Communications Construction Company Ltd.)</p> <p><b>Welcome From the Co-Host</b> Wang, Tongjun (Vice President, China State Railway Group Co., Ltd.)</p>	12:30	<p><b>Lunch (Hall A, Level 4, CNCC)</b></p> <p><b>Part 2: Digital Asset Management: Why open standards help asset owners?</b></p>
09:25	<p><b>  Welcome from buildingSMART International: The True Value of Open Standards</b> Richard Petrie (CEO, buildingSMART International)</p> <p><b>Part 1: Digital Construction: How digital technology is changing the face of construction?</b></p>	14:00	<p><b>  Optimizing Data Management at Schiphol Airport Using Open Standards</b> Maya Tryfona (Data Engineer, Schiphol Airport)</p>
09:55	<p><b>  Delivering Digital Projects:</b> Sean McGinn (Buildings Digital Leader, Arup) Tristan McDonell (Chartered Civil Engineer and Director, Arup)</p>	14:30	<p><b>Afternoon Tea Break</b></p> <p><b>Part 3: "Towards a Digital Future"-Smart Cities: The compelling case for a digital city</b></p>
10:25	<p><b>  Japan's Construction BIM Leading the World to the Next Stage:</b> Kazumi Yajima (BIM Director, Kajima Corporation)</p>	15:00	<p><b>  Smart Cities - Integrating Digital Twin with Digital Workflow</b> Boon Khai (Singapore Land Authority, CEO)</p>
10:55	<p><b>Morning Tea Break and Group Photo</b></p>	15:30	<p><b>  Digital Twins of a City</b> Jarmo Suomisto (Project Manager, The City of Helsinki)</p>
11:15	<p><b>  Digital Supply Chains in the Built Environment</b> Enzo Blonk (Director Industry Engagement for Technical Industries, GS1) Paul Surin (Associate Partner, IBM)</p>	16:00	<p><b>  Panel Discussion: Smart Cities - Fact or Fiction?</b> Boon Khai (CEO, Singapore Land Authority) Jarmo Suomisto (Project Manager, The City of Helsinki) Wolfgang Hass (Principle Consultant, Siemens) Frank Weiss (Senior Director, Oracle)</p>
11:45	<p><b>  Panel Discussion: How can we speed up the digitization of the construction industry?</b> Yu, Jie (President, China Design Digital Technology Co.,Ltd) Liu, Boying (General Manager of Science and Technology Department, China Communications Construction Company Ltd.)</p>	16:40	<p><b>  buildingSMART and the Open Design Alliance</b> Neil Peterson (President, Open Design Alliance)</p>
		16:55	<p><b>  Future Technology Vision</b> Léon van Berlo (Technical Director, buildingSMART International)</p>
		17:10	<p><b>  The Solutions &amp; Standards Program</b> Richard Kelly (Operations Director, buildingSMART International)</p>

#### 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

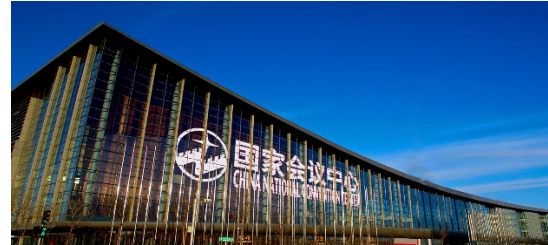


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## Tuesday 29<sup>th</sup> October 2019

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



### Technical Focus Rooms

Technical Room	Building Room	Infrastructure Room	Product Room
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Room	202	402	302	303
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### User Focus Rooms

Regulatory Room	Construction Room	Airport Room	Railway Room
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403	203	205	301
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bSI General
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405
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Registration – Morning welcome

09:00	TR1	BR1	IR1	PR1	RR1	CR1	AR1	RWR1	bG1
Session 1	Technical Room Opening Plenary	Introduction to buildingSMART Standards	Introduction to next phase of IFC for Infrastructure development	Opening Session		Opening Session	Introduction	Opening Plenary: Deliverables of the IFC-Rail Project - Overview and Domains	Professional Certification – Chapter Implementation
	10:30						Update on ARSC Roles Roadmap		

Break

11:00	TR2	BR2	IR2	PR2	RR2	CR2	AR2	RWR2	bG2
Session 2	Current Working Group and Project Update	Opening Session / Roadmap Discussion	Common Schema (Infra Room Projects)	bSDD Needs and Requirements Workshop	Business Case for Automated Regulatory Compliance Report - Discussion & Expert Panel	Use Case of Construction BIM	Developments : Schiphol's OTL and CDE	IFC Rail Phase 1: Requirements Conceptual Model IFC Candidate Standard	Universal Types
	12:30		IFC for Landscape				Future of 'Library exchange specification'		

Lunch

13:30	TR3	BR3	IR3	PR3	RR3	CR3	AR3	RWR3	bG3
Session 3	Serving the Technical needs of the Rail Room Projects	Building Room Project Updates	Infra Room Roadmap	bSI Standards and the Supply Chain (with GS1)	Overview of Regulatory Room, Charter, Roadmap, Projects	BIM and Logistics	Usage of rules for IFC models and the Digital TWIN at Airports	Progress of BIM work of various National Railway Companies	bSI Process
	15:00	Joint Session RWR Room 202	IDBE Update	Joint Session CR3 Room 303		Joint Session PR3 Room 303	Presentation by NACO-RHDHV	Parallel Joint Session TR3 Room 202	

Break

15:30	TR4	BR4	IR4	PR4	RR4	CR4	AR4	RWR4	bG4
Session 4			IFC Tunnel		Application Updates and Developments	Quantity Take Off			Linking Ontologies
	17:00							Room 303	

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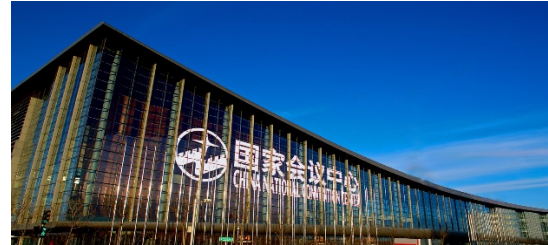
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## Wednesday 30<sup>th</sup> October 2019

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



### Technical Focus Rooms

### User Focus Rooms

	Technical Room	Building Room	Infrastructure Room	Product Room	Regulatory Room	Construction Room	Airport Room	Railway Room	bSI General
Room	202	402	302	303	403	203	205	301	405

Registration – Morning welcome

Time	TR5	BR5	IR5	PR5	RR5	CR5	AR5	RWR5	bG5
09:00	Linked Data	IFC, MVD, IDM, + BCF Overview / Primer	IFC Ports & Waterways	Content / Quality Management Procedures Working Group		Common Data Environment for "long term data repository", "Multi use of data"	Update GIS and IFC Developments and IFC-GIS use cases at Schiphol	IFC Rail Phase 2 - Project Proposal: Tasks, Methods, Discussion	
10:30									

Break

Time	TR6	BR6	IR6	PR6	RR6	CR6	AR6	RWR6	bG6
11:00	Digital Twin Concepts and Technology	Opportunities for Automated Compliance	IFC Road	Product Data Templates Working Group	Opportunities for Automated Compliance	Digital Twin at Construction Site	Digital Twin/ CDE; bSI standards for a Digital Twin	IFC Rail Phase 2 - Workshop SW- Manufacturer: Use Cases/MVDs Data Samples Expectations	
12:30	Joint Session CR6 / AR6 Room 202	Joint Session RR6 Room 402			Joint Session BR6 Room 402	Joint Session TR6 / AR6 Room 202	Joint Session TR6 / CR6 Room 202		

Lunch

Time	TR7	BR7	IR7	PR7	RR7	CR7	AR7	RWR7	bG7
13:30	Project Review and Planning	New Projects 2020 (Including Electric System, Fire Safety and People Movement)	Infra & Rail Joint Session Delivery Plan & Harmonisation		2020 Projects Launch	Technical Session (Technical and Business Trend of Industries)	Update from Civil Aviation University of China	Common Schema: Project Proposal, Harmonisation, Funding	bSDD Agents Launch
15:00			Joint Session RWR2 Room 302				Project Proposal missing IFC entities	Joint Session IR7 Room 302	

Break

Time	TR8	BR8	IR8	PR8	RR8	CR8	AR8	RWR8	bG8
15:30	Project Review and Planning	Closing Session	Closing Session	Closing Session	Requirements and regulations in Infra projects	Closing Session	Mirroring the AR-roadmap to the summit topics and making summit conclusions	Closing Plenary – Summarize & Proposal for RWR Resolution	
17:00					Joint Session IR8 Room 302				

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## Thursday 31<sup>st</sup> October 2019

### Closing Plenary

Level 1, Ballroom A

08:30	<p>  <b>buildingSMART's International Standards Summit conclusions</b>   <b>Program Lead:</b> Richard Kelly Rooms and groups' actions arising, resolutions and future work plans</p> <p>  <b>ISG:</b> Jeffrey Ouellette   <b>Technical Room:</b> Greg Schleusner   <b>Infra Room:</b> Tiina Perttula   <b>Product Room:</b> (tbc)   <b>Regulatory Room:</b> Nicholas Nisbet   <b>Construction Room:</b> Ken Endo   <b>Airport Room:</b> Alex Worp   <b>Building Room:</b> David Ivey</p>	10:20	<p>  <b>Universal Types - Making Construction Products More Accessible</b> Dirk Schaper (ProMaterial, CEO)</p>
		10:40	<p><b>Morning Tea Break</b></p>
		11:00	<p>  <b>Professional Certification Progress Report</b> Mark Baldwin (Managing Director, Digital Insights) Sarah Merz (Head of Academy, EDUBIM)</p>
		11:20	<p>  <b>IFC Bridge</b> Christophe Castaing (Egis, Director of Digital Engineering)</p>
		11:40	<p>  <b>Closing Address:</b> Richard Petrie (buildingSMART International, CEO)</p>
10:00	<p>  <b>IFC Rail</b> Winfried Stix (ÖBB-Infrastruktur AG, Lead Coordinator)</p>		

## Friday 1<sup>st</sup> 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)
09:30a.m.-10:30a.m.	Project introduction and free discussion in the NSSO meeting room
10:30a.m.-11:30a.m.	Site visiting
11:30a.m.-12:30p.m.	Lunch
12:30p.m.-13:00p.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)

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## 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](mailto:contact@buildingSMART.org) (indicating the room concerned)

### Technical Room meetings

Contact: Greg Schleusner ([greg.schleusner@hok.com](mailto:greg.schleusner@hok.com))

<p>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.</p> <p>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.</p> <p>TR3      Serving the Technical Needs of Rail Room Projects - What technical aspects of 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)</p>	<p>TR5      Linked Data - Updates on W3C &amp; bSI LDWG Efforts regarding Linked Data.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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### Building Room meetings

Contact: David Ivey ([david.ivey@hok.com](mailto:david.ivey@hok.com))

<p>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.</p> <p>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.</p>	<p>BR5      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).</p> <p>BR6      Joint session with Regulatory room.</p> <p>BR7      This session, moderated by Benjamin Gonzalez, will allow current and new project teams, a forum to showcase their project by defining the need/use case, development updates, goals, needs, and timelines for the projects.</p> <p>BR8      The closing session will recap all sessions from both days of the summit. Q+A from attendees is encouraged to help refine the building Room agenda, discover new project ideas, and get general feedback. The remaining time for the session will be given to the Steering Committee for information download and planning.</p>
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### Infrastructure Room meetings

Contact: Tiina Perttula ([tiina.perttula@ramboll.fi](mailto:tiina.perttula@ramboll.fi))

<p>IR1      Infra Room Opening session: Introduction to next phase of IFC for Infrastructure development &amp; presentations from industry.</p> <p>IR2      Progress update by the Common Schema project and presentation of draft deliverables.</p> <p>IR3      Presentation of the Infra Room Roadmap &amp; progress update on the ongoing work with OGC within Integrated Digital Built Environment.</p> <p>IR4      Presentation of draft deliverables of the IFC Tunnel Requirement analysis phase, such as Use Cases &amp; Request for feedback.</p>	<p>IR5      Presentation of draft deliverables of the IFC Ports &amp; Waterways project, such as Taxonomy &amp; Request for feedback.</p> <p>IR6      Presentation of draft deliverables of the IFC Road Phase 2, such as the Conceptual Model &amp; Request for feedback.</p> <p>IR7      Joint session with the Rail Room, focusing on the joint Delivery Plan and harmonization of the work within both rooms.</p> <p>IR8      Infra Room Closing session, in which the Infra Room Workplan will be presented and input requested, among other topics such as a Regulatory Room presentation.</p>
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**Product Room meetings** Contact: Espen Schulze (schulze@cobuilder.no), Frederic Grand (frederic.grand@quod-semantic.fr), Michel Bohren (mib@crb.ch)

<p>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.</p> <p>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 ownership and management issues, bSDD content status and development plan.</p> <p>PR3 Supply Chain and bSI 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 bSI-ETIM-GS1 Proof of Concept Project and other relevant projects.</p>	<p>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.</p> <p>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 s/w vendors and product manufacturers, CRB prototype, review of draft standard for submission.</p> <p>PR7 Classification in Models WG Workshop - update on deployment of classifications systems including ETIM, eCl@ss, CRB classification mapping solution, and how to develop standard for use with OpenBIM models.</p> <p>PR8 Closing Session - address planning, communications and implementation issues, work on PR Roadmap, develop resolutions.</p>
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**Regulatory Room meetings** Contact: Nicholas Nisbet (nn@aec3.com)

<p>RR2 Expert presentation and Expert panel Discussion on Business case for automated regulatory compliance (report) TED (by web conference).</p> <p>RR3 Overview of Regulatory Room, charter, roadmap, projects.</p> <p>RR4 Application progress: show-and-tell of commercial and research projects.</p>	<p>RR6 Joint session at Building Room on 'Opportunities for automated compliance'.</p> <p>RR7 2020 Projects launch.</p> <p>RR8 Joint discussion in infrastructure room on 'Opportunities for automated compliance'.</p>
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**Construction Room meetings** Contact: Ken Endo (endo@kajima.com)

<p>CR1 Opening Session</p> <p>CR2 Use Case of Construction BIM</p> <p>CR3 QuantityTakeOff -Problems and Solutions</p> <p>CR4 BIM &amp; Logistics: Solution</p>	<p>CR5 Common Data Environment for "long term data repository", "Multi use of data"</p> <p>CR6 Digital Twin at Construction Site</p> <p>CR7 Technical Session</p> <p>CR8 Closing Session</p>
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**Airport Room meetings** Contact: Alex Worp (alexander.worp@buildingSMART.nl)

<p>AR1 Opening session; Short Introduction AR-room &amp; Introduction participants and why they joint AR session. Review Agenda, update on ARSC roles, Status of AR-Roadmap.</p> <p>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).</p> <p>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.</p>	<p>AR5 GIS and IFC; update in the development's integration of GIS and IFC. And GIS use cases.</p> <p>AR6 Joint session DIGITAL TWIN.</p> <p>AR7 Airport IFC standards; The Civil Aviation University of China is developing IFC standards for the use of certification &amp; project proposal missing IFC entities working session.</p> <p>AR8 Mirroring the AR-roadmap to the summit topics and making summit conclusions.</p>
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**Railway Room meetings** Contact: Winfried Stix (winfried.stix@buildingsmart.co.at)

RWR1	Presentation of the Deliverables of the IFC-Rail Project - Overview and Domains.	RWR5	Tasks, Methods, Discussion. Preparation of the kick-off session at bSI Summit Oslo 2020.
RWR2	Presentation of Deliverables, Requirements, Conceptual Model, IFC Candidate Standard.	RWR6	Joint Session in parallel - IR6 & RWR6. Common Schema (Infra Room Projects).
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.	RWR7	Common Schema: Project Proposal, Harmonisation, Funding.
RWR4	Library and Ontology Workshop. incl. bSDD.	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	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.
bG2	UniversalTypes	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**