Monday 25th March 2019

Hilton Dusseldorf

Georg-Glock-Straße 20,
40474 Düsseldorf,
Germany

Opening Plenary
International Standards Summit

9:30 **Welcome / Introduction**
Richard Petrie *(CEO buildingSMART International)*

10:00 **Representative of the Federal Government**

10:15 **Technology Strategy of buildingSMART International:**
Greg Schleusner *(Leader Technical Room)*

10:30 **1st Keynote lecture: Industry insights on the state of digitization**
Carsten Lotz *(McKinsey & Company)*

11:15 **Digital planning and construction from the client's point of view: wish, vision and reality:**
Prof. Dr.-Ing. Christian Glock, Central Real Estate Committee *(ZIA)*
Martin Müller, Federal Chamber of Architects *(BAK)*
Klaus Pacher, Federation of the German Construction Industry *(HDB)*

12:00 **Lunch**

13:00 **2nd Keynote lecture: Digital Twin for buildings:** Peter Löffler, Vice President Innovation and Industry Affairs *(CEO Siemens Building Technologies)*

13:30 **3rd keynote lecture: The Digital Twin for Infrastructure:** Mark Enzer, CTO *(Mott MacDonald)*

14:15 **"Open Standards" from the perspective of software vendors: input lectures and discussion:**
Uwe Wassermann, Director AEC, Business Development worldwide, *(Autodesk)*
Viktor Várkonyi, Executive Board Member Plan & Design Segment *(Nemetschek Group)*
Richard Fletcher, Managing Director *(Trimble Solutions Ltd)*

15:30 **Break**

16:00 **4th keynote lecture: Future of Cloud Technology** Andy Verone *(Global Vice President Industry Strategy and Innovation, Oracle)*

16:40 **Progress in the standardization work of buildingSMART International:** *Richard Kelly (bSI Operations Director)*

17:00 **Group photo**

18:00 **Welcome Dinner**

Rheinterrase - Welcome Dinner

Joseph-Beuys-Ufer 33,
40479 Düsseldorf,
Germany

buildingSMART International

Tuesday 26th March 2019

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	Technical Focus Rooms				User Focus Rooms				bSI General
	Technical Room	Building Room	Infrastructure Room	Product Room	Regulatory Room	Construction Room	Airport Room	Railway Room	
	Hegel 3	Leibniz 2	Platon 2	Aristoteles 3	Leibniz 1	Aristoteles 2	Hegel 2	Aristoteles 1	Leibniz 3
Registration – Morning welcome									
Session 1 09:00–10:30	TR1	BR1 Opening Session	IR1 Opening Session IDBE BIM and Traffic Route Construction	PR1 Opening Session	RR1	CR1 Opening Session 'Trend of BIM in Construction'	AR1 Opening Session Status update Airports	RWR1 Opening Plenary: Progress in IFC Rail Project, Status Presentation of Domain	bG1 Frameworks – Semantic Interoperability – Ontology / Terminology
Break									
Session 2 11:00–12:30	TR2	BR2 Roadmap User Need Workshop and discussion	IR2 IFC Road (User/ Technical)	PR2 Shared Technology and Standards and Procedures	RR2 Regulatory Room Roadmap Review Steering Committee Discussion	CR2 Case Study of BIM in Construction Phase (German Companies)	AR2 Airport Roadmap program	RWR2 Methodology, Process and Use Cases	bG2 Changes to the IFC Technical Site
Lunch									
Session 3 13:30–15:00	TR3 IFC Release Strategy and Governance	BR3 Presentations from Early Stage Activities	IR3 InfraRoom Roadmap IFC Tunnel	PR3 Shared Terminology Projects and Tools	RR3 Panel on Business Case for Auto Code Checking	CR3 Case Study of BIM 2018 bSI Award Winning Projects (Losinger-Marazzi)	AR3 Working Session Business plan for assets not currently in IFC	RWR3 IFC Rail Project + Pilot-Information + Ontology and Linked Data – Future Trends	bG3 Expert Meeting Railway Access Passenger Services
Break									
Session 4 15:30–18:00	TR4 bSI Technical Ideals Document	BR4 IFC for Precast	IR4 Joint Session IR/RWR Mini workshop discussing 3 important topics for common schema (User/Technical)	PR4 Joint session CR/PR bSI Standards and the Supply Chain	RR4 e-Submission Project Update and Review (a) Forms (b) Process	CR4 Joint session CR/PR bSI Standards and the Supply Chain	AR4 Project plan discussion for Wayfinding and GIS-BIM alignment	RWR4 Joint Session IR/RWR Mini workshop discussing 4 important topics for common schema (User/Technical)	bG4
Close									

buildingSMART International

International Standards Summit
PROGRAM

Wednesday 27th March 2019

Hilton Dusseldorf

Georg-Glock-Straße 20,
40474 Düsseldorf,
Germany

	Technical Focus Rooms				User Focus Rooms				bSI General
	Technical Room	Building Room	Infrastructure Room	Product Room	Regulatory Room	Construction Room	Airport Room	Railway Room	
	Hegel 3	Leibniz 2	Platon 2	Aristoteles 3	Leibniz 1	Aristoteles 2	Hegel 2	Aristoteles 1	Leibniz 3
Morning welcome									
Session 5 09:00–10:30	**TR5** Toolkits	**BR5** Design Transfer View	**IR5** IFC Ports & Waterways (User/Technical)	**PR5** Content / Quality Management Procedures Working Group	**RR5**	**CR5** IFC BIM Server	**AR5**	**RWR5** IFC Rail Project Domain Working Sessions: Shared Elements	**bG5** BCF workflow, Opening coordination, MVD complex commercial buildings
Break									
Session 6 11:00–12:30	**TR6** IFC Validation Checks mvdXML2	**BR6** IFC for Sites, Landscape and Urban Design Updates (bSI & DEU)	**IR6** Common Schema (User/Technical)	**PR6** Product Data Templates Working Group	**RR6** Infrastructure Regulations, Requirements and Recommendations	**CR6** IoT-BIM Connection	**AR6** Airport Roadmap Program	**RWR6** IFC Rail Project Domain Working Sessions: Deliverables – Data Dictionaries CS/SE - Interfaces	**bG6** BIM in Hospitals & BIM with Sustainability, openBIM beyond IFC
Lunch									
Session 7 13:30–15:00	**TR7** Policy and work for IFC bSDD	**BR7** IDM - Joint Session with CEN TC442 WG3 TG3	**IR7** IFC Bridge (User/Technical)	**PR7** Classification in Models Working Group	**RR7** Building Regulations, Requirements and Recommendations	**CR7** Quantity Take-Off	**AR7** Joint Session	**RWR7** IFC Rail Project Domain Working Sessions: Deliverable – Use Cases and Process Map CS/SE - Interfaces	**bG7** Vendor Engagement to bSI Process IFC for Linear Infra Assets: Rail Requirements for Software Implementation
Break									
Session 8 15:30–17:00	**TR8** Closing Session Technical Room / LDWG	**BR8** Closing Session	**IR8** IFC for Landscape Infra Regulation Closing Summary & Resolutions	**PR8** Closing Session	**RR8** Resolutions and Planning Session	**CR8** Closing Plenary: Summarize & Proposal for Resolution	**AR8** Closing Session	**RWR8** Closing Plenary – Summarize & Proposal for RWR Resolution	**bG8** International Use Case Management

17:00

18:00

Close

Thursday 28ᵗʰ March 2019

Hilton Dusseldorf

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Closing Plenary
of the International Standards Summit

9:00 | **buildingSMART's International Standards Summit conclusions**
| **Program Lead:** Richard Kelly
Rooms and groups' actions arising, resolutions and future workplans
| **ISG:** Jeffrey Ouellette
| **Technical Room:** Greg Schleusner
| **Infra Room:** Tiina Perttula
| **Product Room:** Roger Grant
| **Regulatory Room:** Nicholas Nisbet
| **Construction Room:** Ken Endo
| **Airport Room:** Alex Worp
| **Building Room:** David Ivey

10:30 **Professional Certification:**
Sarah Merz, buildingSMART Germany, Program Committee of the Professional Certification Program

10:45 **Status of the "Use Case Management International Collaboration" (UCM)**
Birgitta Schock, buildingSMART Switzerland, Leader of UCM

11:00 **Break**

11:30 **Importance of product data in the digital value chain: Impulse lectures and discussion**
Barbara-Maria Loth, CDO Knauf Group
Dirk Schaper, CEO ProMaterial
Konrad Werning, CEO ARGE Neue Medien

13:00 **Lunch**

14:00 **bSI Railway Room Current State and Outlook:**
Winfried Stix, bSI Railway Room (RWR), and Christian Erismann, ifcRail Project

14:30 **Speeches by a representative of the Federal Government**

15:20 **Summary:**
Richard Kelly, (bSI Operations Director)

15:30 **Closing Address:**
Richard Petrie, (bSI Chief Executive)

Meeting descriptions for the 26th and 27th of March

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: Anne Mevatne

BR1 Opening plenary: Introduction to the Building Room, work goals and remits. The bSI Standards and use case perspective will be presented, and the community is invited to discuss and give feedback on expectations and needs.

BR2 User Need Workshop and Discussion: The Building Room Steering Committee invites to a workshop to define and discuss user needs, as input to the ongoing work to deliver a strategic Roadmap for the Building Room.

BR3 Presentations from Early Stage Activities : Presentation of project proposal for Fire Safety Engineering, MVD Lite and use case for Complex Commercial Building, IFC Distribution Port, IFC Spatian Zones and discussion on project for Dfma and Lean Construction.

BR4 IFC4precast, BIM in Timber Construction, Steel Construction and Structural Engineering

Presentation from the project IFC4precast, and from the other working groups.

BR5 Design Transfer View: Client organizations presents and discuss the need for certified software and for DTV in design and handover, and software and other interested parties are invited to discuss possible solutions.

BR6 IFC for Sites, Landscape and Urban Design Updates: The projects will give a status update on the ongoing work.

BR7 IDM – Joint session with CEN TC442 WG3 TG3: Joint Session with CEN. The background for the IDM-Standard will be presented, and CEN will present their work and perspective. Open discussion and resolutions. Project proposal for IDM Toolkit will be presented and discussed.

BR8 Closing Session: The Building Room Steering Committee summarize and pull in the thoughts and take away from the workshops and sessions and discuss the further work in the Building Room.

Infrastructure Room meetings Contact: Tiina Pertulla

IR1 Opening Plenary & German Road Presentation : Opening session: Introduction & summit program preview; overview of projects and progress towards IFC 5 delivery / IDBE: overview of the recent work of the joint bSI/OGC initiative / German InfraRoom: 'BIM for traffic route construction'

IR2 IFC Road: Project progress update

IR3 Roadmap / IDBE / IFC Tunnel: InfraRoom Roadmap development / IFC Tunnel: Project development-phase update and call for participation.

IR4 Joint Session IR/RWR Mini workshop discussing 3 important topics for common schema.

IR5 IFC Ports & Waterways : Project progress update, an overview of IPW Taxonomy developments, Spatial structure examples and related Geotechnical development updates.

IR6 Common Schema: Project progress update (Sprint 3 tasks).

IR7 IFC Bridge : Project progress update.

IR8 Closing session: IFC for Sites Landscape and Urban Design / Infrastructure Room Regulation / InfraRoom and InfraRoom Projects summaries & resolutions.

Product Room meetings Contact: Roger Grant

PR1 Opening Session: Review previous meetings, active resolutions, new PRSC status/introduction, status of bSDD planning and deployment, utilization of IFC entities and properties in bSDD and procedures for use following newly developed position paper on IFC-bSDD use.

PR2 Shared Technology and Standards and Procedures: Review and discussion of new projects and initiatives, related standards projects at CEN and ISO, review and acceptance of process for IFC translation, and working within bSI groups and forums.

PR3 Shared Terminology Projects and Tools: Review and discussion of terminology structuring and and standardization projects, review and discussion of tools for working with terminology.

PR4 Joint Session CR/PR bSI Standards and the Supply Chain: The Supply Chain and bSI Standards (joint with CR) - with GS1 review 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.

PR5 Content and Quality Management Procedures Working Group: 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 Working Group: Update on activity, implementing procedures for extending IFC in product data templates, discussion of pilot testing with s/w vendors and product manufacturers, review of draft standard prior to submission.

PR7 Classification in Models Working Group: Update on deployment of classifications systems including ETIM, OmniClass and eCl@ss and how to develop standard for use with OpenBIM models.

PR8 Closing Session - closing plenary of Product Room to accommodate overflow, address planning, technical and implementation issues, develop resolutions.

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Regulatory Room meetings Contact: Nicholas Nisbet

RR1

RR2 Regulatory Room Roadmap review Steering Committee Discussion: Overview of the Regulatory Room, review of the roadmap and role of the steering committee.

RR3 Panel on Business Case for Auto Code Checking: Presentation of the buildingSMART draft Technical report 012 on the Business Case for Automated Rule Checking.

RR4 e-Submission Project Update and Review (a) Forms (b) Process: Update on the 'e-Submission' processes and the 'Application Forms projects.

RR5

RR6 Infrastructure Regulations, Requirements and Recommendations: Open forum on Infrastructure needs and solutions for Regulations, Requirements and Recommendations.

RR7 Building Regulations, Requirements and Recommendations: Open forum on Building needs and solutions for Regulations, Requirements and Recommendations.

RR8 Resolutions and Planning

Construction Room meetings Contact: Ken Endo

CR1 Opening session "Trend of BIM in Construction"
CR2 Case Study of BIM in Construction Phase (German Companies)
CR3 Case Study of BIM, 2018 bSI Award Winning projects (by Losinger-Marazzi)
CR4 BIM enhancement with API

CR5 IFC BIM server
CR6 IoT-BIM connection
CR7 Quantity take-off
CR8 Closing Plenary: Summarize & Proposal for Resolution

Airport Room Contact: Alex Worp

AR1 Opening Session Status Update Airports
AR2 Airport Roadmap Program
AR3 Working Session Business Plan for Assets not currently in IFC
AR4 Project Plan Discussion for Wayfinding and GIS-BIM Alignment

AR5
AR6 Airport Roadmap Program
AR7 Joint Session
AR8 Closing Session

Railway Room Contact: Winfried Stix, Suo Ning, Christian Erismann

RWR1 Opening Plenary: Progress in IFC Rail Project, Status Presentation of Domain: Welcome and opening session, presentation of the status of IFC Rail Project, main topics for Düsseldorf Summit and 2019.

RWR2 Methodology, Process and Use Case: Workflow and toolchain for developing the IFC Rail Standard (IFC Rail Tutorial), definition and priority of general uses cases - results, Feedback/Recommendations for domain groups for the data requirements deliverable.

RWR3 IFC Rail Project: Pilot-Information + Ontology and Linked Data - Future Trends: Report from Rome Workshop IFC-Rail Tutorial Update Common Schema Rail and Shared Elements: Challenges, Resources, Actual status EXPRESS2UML

RWR4 Joint Session IR/RWR Mini workshop discussing 4 important topics for common schema: Common Schema Workshop: IFC Infrastructure: Rail, Road, Bridge – Interoperability, Matrix of Common Schema and Shared Elements, Geographic Context, Spatial Structure.

RWR5 IFC Rail Project Domain Working Sessions: Shared Elements: IFC Rail Project Domain Working Sessions: Shared Elements.

RWR6 IFC Rail Project Domain Working Sessions: Deliverables - Data Requirements - CS/SE - Interfaces: IFC Rail Project Domain Working Sessions: Deliverable - Data Requirements.

RWR7 IFC Rail Project Domain Working Sessions: Deliverable - Use Cases and Process Map - CS/SE - Interfaces: IFC Rail Project Domain Working Sessions: Deliverable - Use Cases and Process Map.

RWR8 Closing Plenary – Summarize & Proposal for RWR Resolution: Summarize and Consolidation Domain Working Groups & Proposal for Resolution.