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 Löfler, 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)
Víctor Várhonyi, 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

Rheinterrasse - Welcome Dinner
Joseph-Beuys-Ufer 33,
40479 Düsseldorf,
Germany
Tuesday 26th March 2019

Hilton Dusseldorf
Georg-Glock-Straße 20, 40474 Düsseldorf, Germany

Technical Focus Rooms

<table>
<thead>
<tr>
<th>Session 1</th>
<th>Session 2</th>
<th>Session 3</th>
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<td>Joint session CR/PR bSI Standards and the Supply Chain</td>
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User Focus Rooms

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Break

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Break
Wednesday 27th March 2019

Hilton Dusseldorf
Georg-Glock-Straße 20, 40474 Düsseldorf, Germany

Technical Focus Rooms
- Hegel 3
- Leibniz 2
- Platon 2
- Aristoteles 3

User Focus Rooms
- Leibniz 1
- Aristoteles 2
- Hegel 2
- Aristoteles 1

Morning welcome

09:00
Session 5
- TR5: Toolkits
- BR5: Design Transfer View
- IR5: IFC Ports & Waterways (User/Technical)
- PR5: Content / Quality Management Procedures Working Group

10:30
Break

11:00
Session 6
- 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

12:30
Lunch

13:00
Session 7
- 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

15:00
Break

15:30
Session 8
- TR8: Closing Session Technical Room / LDWG
- BR8: Closing Session
- IR8: IFC for Landscape
- PR8: Closing Session

17:00
Close

18:00

Technical Focus Rooms

User Focus Rooms

Morning welcome

Break

Lunch

Break

Close
Thursday 28<sup>th</sup> March 2019

**Hilton Dusseldorf**

Georg-Glock-Straße 20, 40474 Düsseldorf, Germany

## 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 work plans**
- **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)

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buildingSMART International remains at your disposal, should you have any questions concerning your visit: contact@buildingsmart.org / sheila.kerailum@buildingsmart.org
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 & Summit program overview provides an orientation for the following days. 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 Spatial 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 to 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 implementation 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.
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)

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