

LAKE CONSTANCE 5D-CONFERENCE 2015 – CONSTANCE, MAY 4 – MORNING

TIME	THEME					
09:00 - 09:30	<p>WELCOME ADDRESS</p> <p>Uwe Rickers HTWG, Carsten Manz HTWG, Klaus Pöllath DBV, Konstantinos Kessoudis 5Di</p>					
09:30 - 10:15	<p>KEYNOTE SPEAKER I</p> <p>BIM: a Trojan Horse for construction industry reform</p> <p>Paul Morrell, UK government former Chief Construction Adviser</p>					
10:30 - 11:15	<p>SESSION I</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p>OWNER / FM</p> <p>The Development of the HVAC Product Data Templates Suitable for 5D BIM software platforms</p> <p>Ljiljana Marjanovic-Halburd, UCL Institute for Environmental Design and Engineering (IEDE)</p> </td> <td style="vertical-align: top;"> <p>CONSTRUCTION</p> <p>Advanced cast in place structures within building and civil engineering works industrialized for efficient production and logistics</p> <p>Stefan Brandt, Jens Fobian-Larsen CN3 - Construction+iNNovatioN</p> </td> <td style="vertical-align: top;"> <p>PLANNER</p> <p>BIM – a holistic approach in all project phases</p> <p>Oliver Geibig, Hilti Deutschland AG</p> </td> <td style="vertical-align: top;"> <p>OWNER / FM</p> <p>ROI of Cloud Based Collaboration and Mobility for Construction</p> <p>Michael Moran, Autodesk</p> </td> <td style="vertical-align: top;"> <p>CROSSOVER</p> <p>Next Generation Digital Factory Design</p> <p>Torsten Beste, Siemens, Lutz Bettels, Bentley</p> </td> </tr> </table>	<p>OWNER / FM</p> <p>The Development of the HVAC Product Data Templates Suitable for 5D BIM software platforms</p> <p>Ljiljana Marjanovic-Halburd, UCL Institute for Environmental Design and Engineering (IEDE)</p>	<p>CONSTRUCTION</p> <p>Advanced cast in place structures within building and civil engineering works industrialized for efficient production and logistics</p> <p>Stefan Brandt, Jens Fobian-Larsen CN3 - Construction+iNNovatioN</p>	<p>PLANNER</p> <p>BIM – a holistic approach in all project phases</p> <p>Oliver Geibig, Hilti Deutschland AG</p>	<p>OWNER / FM</p> <p>ROI of Cloud Based Collaboration and Mobility for Construction</p> <p>Michael Moran, Autodesk</p>	<p>CROSSOVER</p> <p>Next Generation Digital Factory Design</p> <p>Torsten Beste, Siemens, Lutz Bettels, Bentley</p>
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11:30 - 12:15	<p>SESSION II</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p>OWNER / FM</p> <p>BIM and VDC for the Optimization of Construction Sequences and Flows on the Construction Site</p> <p>Field Construction and BIM-ed Erection of High-Rise Buildings</p> <p>Giovanni Caratozzolo, Angelo Cibrini, Brescia Uni</p> </td> <td style="vertical-align: top;"> <p>CONSTRUCTION</p> <p>Implementing True 5D - 4 Hospital Case Studies</p> <p>Christopher Mouflard, Trimble</p> </td> <td style="vertical-align: top;"> <p>PLANNER</p> <p>Towards Integrated Project Delivery-Product Information Modelling</p> <p>Paul Curschallas, ETH Spinn oFF</p> </td> <td style="vertical-align: top;"> <p>OWNER / FM</p> <p>The Building Reference Process with special respect to sustainable certification and the mandatory BIM requirements mangement</p> <p>Aude Tan, Thomas Kirmayr, Fraunhofer IBP Thomas Liebich, AEC3 BAM FM</p> </td> <td style="vertical-align: top;"> <p>CROSSOVER</p> <p>Construction beyond BIM</p> <p>Dominic Thasarathar, Autodesk</p> </td> </tr> </table>	<p>OWNER / FM</p> <p>BIM and VDC for the Optimization of Construction Sequences and Flows on the Construction Site</p> <p>Field Construction and BIM-ed Erection of High-Rise Buildings</p> <p>Giovanni Caratozzolo, Angelo Cibrini, Brescia Uni</p>	<p>CONSTRUCTION</p> <p>Implementing True 5D - 4 Hospital Case Studies</p> <p>Christopher Mouflard, Trimble</p>	<p>PLANNER</p> <p>Towards Integrated Project Delivery-Product Information Modelling</p> <p>Paul Curschallas, ETH Spinn oFF</p>	<p>OWNER / FM</p> <p>The Building Reference Process with special respect to sustainable certification and the mandatory BIM requirements mangement</p> <p>Aude Tan, Thomas Kirmayr, Fraunhofer IBP Thomas Liebich, AEC3 BAM FM</p>	<p>CROSSOVER</p> <p>Construction beyond BIM</p> <p>Dominic Thasarathar, Autodesk</p>
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12:15 - 13:45	<p>LUNCH</p>					

LAKE CONSTANCE 5D-CONFERENCE 2015 – CONSTANCE, MAY 4 – AFTERNOON

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13:45 - 14:30	SESSION III				
	OWNER/EM The COBieNATOR Rob Jackson, bondbryan	CONSTRUCTION Applying BIM to a 250 m high tower built with slip forming Jan-Niklas Franzius, Ed. Züblin AG	PLANNER Construction Modeling - Enabling 5D Dean Bowman, Bentley	OWNER/EM Reversed Process Design Aude Tan, Thomas Kirmayr, Fraunhofer IBP	CROSSOVER Case Study: Crash start BIM for a PPP Hospital Project Evren Özsoy, Infotron
14:45 - 15:30	SESSION IV				
	OWNER/EM Benefits for Clients – BIM management on construction projects – examples from practice Dirk Schaper, Vicon	CONSTRUCTION The role of construction companies in transition to the digital construction process – challenges and opportunities within the transformation process Matthias Jacob, Carolin Müller, Wolff & Müller	PLANNER BIM the new DNA of projects Benjamin Ebbecke, HWP Planungsgesellschaft	OWNER/EM New Contracting Models that support BIM David Mosey, Christopher Howard, KCL	CROSSOVER Applying BIM to Infrastructure Refurbishment Projects Markus Eiberger, Drees und Sommer, Jakob von Heyl, Universität Stuttgart
15:30 - 16:00	COFFEE BREAK AND EXHIBITION OF SPONSORS				
16:00 - 16:30	SESSION V				
	OWNER/EM An Element Based Information System with FM Deliverable Use of Industry Foundation Classes (IFC) in a Collaborative Environment Marcel Broekmaat, Trimble	CONSTRUCTION 5D use case in design phase – Intensive Big Room Jouni Juntunen, Otto Alhava, Fira Palvelut Arto Kiviniemi, University of Liverpool	PLANNER Export of BIM data to energy simulation tools and more refined zonal models Hanna Reim, Sebastian Stratbücker, Fraunhofer IBP	OWNER/EM BIM Collaboration - Integrated use of BIM information in cross-enterprise collaboration Sven-Erik Schapke, think project!	CROSSOVER Building Competition Felix Platter-Spital Marc Heinz, cad-pool
16:30 - 17:00	SESSION VI				
	OWNER/EM Model-based Design and Construction of a Stadium in Nigeria Markus Rambach, Julius Berger	CONSTRUCTION The Use of modification of PPC measurement in design management Jouni Juntunen, Otto Alhava, Fira Palvelut Arto Kiviniemi, University of Liverpool	PLANNER Integrated Document Control and 2D Quantity Takeoff Duane Gleason, Trimble	OWNER/EM Managing construction projects in a 5D+ world Albert Ripberger, sfirion AG	CROSSOVER BIM - a real world test with alternate understanding of Processes - Reference-processes that also show an international way to go with BIM Franz Madl, PBB
18:00 - 23:00	SOCIAL EVENT				

LAKE CONSTANCE 5D-CONFERENCE 2015 – CONSTANCE, MAY 5 – MORNING

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09:00 - 09:45	<p>KEYNOTE SPEAKER II</p> <p>Recognizing patterns where others see chaos: Information Modeling & Management, the foundation on the way to Digitization and Industry 4.0 in Production Industry</p> <p>Jörg Fischer, Professor for Production Management and Product Lifecycle Management (PLM), Karlsruhe University of Applied Sciences</p>					
10:00 - 10:45	<p>SESSION VII</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p>OWNER/FM</p> <p>From expectation to implementation</p> <p>Wachinger Martin, Ed. Züblin AG</p> </td> <td style="vertical-align: top;"> <p>CONSTRUCTION</p> <p>Improving productivity through the alliance implementation between contractors Integrating the Last Planner System with the ERP-system in the construction site</p> <p>Harri Heikura, Otto Alhava, Fira Palvelut Arto Kiviniemi, University of Liverpool</p> </td> <td style="vertical-align: top;"> <p>PLANNER</p> <p>BIM – Standarisisation: consensual process between architecture, civil engineering, building services and facility management – VDI standards as acknowledged rules of technology in Germany.</p> <p>Frank Jansen, Rasso Steinmann, VDI</p> </td> <td style="vertical-align: top;"> <p>OWNER/FM</p> <p>The LAHMEYER International 5D-management approach for the project development of thermal power plants</p> <p>Armin Mölderink, Lahmeyer international</p> </td> <td style="vertical-align: top;"> <p>CROSSOVER</p> <p>Model validation is the key to good 5D</p> <p>Trevor Woods, The DPW Group</p> </td> </tr> </table>	<p>OWNER/FM</p> <p>From expectation to implementation</p> <p>Wachinger Martin, Ed. Züblin AG</p>	<p>CONSTRUCTION</p> <p>Improving productivity through the alliance implementation between contractors Integrating the Last Planner System with the ERP-system in the construction site</p> <p>Harri Heikura, Otto Alhava, Fira Palvelut Arto Kiviniemi, University of Liverpool</p>	<p>PLANNER</p> <p>BIM – Standarisisation: consensual process between architecture, civil engineering, building services and facility management – VDI standards as acknowledged rules of technology in Germany.</p> <p>Frank Jansen, Rasso Steinmann, VDI</p>	<p>OWNER/FM</p> <p>The LAHMEYER International 5D-management approach for the project development of thermal power plants</p> <p>Armin Mölderink, Lahmeyer international</p>	<p>CROSSOVER</p> <p>Model validation is the key to good 5D</p> <p>Trevor Woods, The DPW Group</p>
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14:45 - 15:15	COFFEE BREAK AND EXHIBITION OF SPONSORS					
15:15 - 16:00	SUMMARY OF WORKSHOP DISCUSSION SESSIONS & CONCLUDING REMARKS					
16:00 - 16:15	CLOSING					

LAKE CONSTANCE 5D-CONFERENCE 2015 – CONSTANCE, MAY 5 – LABS

10:00 - 10:45	LAB 1	LAB 2	LAB 3	LAB 4	LAB 5	LAB 6	LAB 7
	<p>BIM-based Virtual Design Laboratory for energy-efficient embedded buildings</p> <p>Marie-Christine Geißler, Winfried van Woudenberg, BAM</p>	<p>5D Its Worth It Workshop - Get hands on with integrated Design, Schedule and Cost</p> <p>Christopher Mouflard, Trimble</p>	<p>Contiuous Bentley Lab</p>	<p>Bring BIM to field</p> <p>Michael Moran, Autodesk</p>	<p>Continuous RIB iTWO Lab</p> <p>End-to-end Construction Process in iTWO 5D Lab</p> <p>From BIM Qualification to Project Estimate</p> <p>From (Sub-)Contractor Management to Multi-Project-Controlling</p>		<p>Continuous PERI LAB</p> <p>Project Data Management</p> <p>3D Design - Formwork and Scaffolding</p> <p>Time depending parts list</p> <p>Visualization</p> <p>Workflow Office - Field</p>
11:00 - 11:45		<p>Improved BIM 3D / 2D Quality Takeoff and Estimating Integration</p> <p>Steve Watt, Trimble</p>		<p>Rapid capture for project planning</p> <p>Jack Strongitharm, Autodesk</p>	<p>Holger Fomm, RIB AG</p>	<p>bim+: Your Central and Open BIM Platform for Building Lifecycle an Processes</p> <p>Maximilian Eilhardt, Nemetschek</p>	
11:45 - 13:00	LUNCH						
13:00 - 13:45	<p>BIM based Virtual Lab for Design and Evaluation of Energy Efficient Buildings</p> <p>Raimar Scherer, TU Dresden & international Presenters</p>	<p>Material Tracking in Construction Workflows</p> <p>Jesse Lavine, Trimble</p>	<p>Contiuous Bentley Lab</p>	<p>5D with Autodesk Revit + RIB iTWO</p> <p>Jochen Tanger, Autodesk</p>	<p>Continuous RIB iTWO Lab</p> <p>End-to-end Construction Process in iTWO 5D Lab</p> <p>From BIM Qualification to Project Estimate</p> <p>From (Sub-)Contractor Management to Multi-Project-Controlling</p>	<p>bim+: Your Central and Open BIM Platform for Building Lifecycle an Processes</p> <p>Maximilian Eilhardt, Nemetschek</p>	<p>Continuous PERI LAB</p> <p>Project Data Management</p> <p>3D Design - Formwork and Scaffolding</p> <p>Time depending parts list</p> <p>Visualization</p> <p>Workflow Office - Field</p>
14:00 - 14:45		<p>Using Field Technologies to Ensure That Construction Intent Matches Field Reality</p> <p>Bryan Williams, Trimble</p>		<p>Production planning applied: A hands-on application of lean construction principles</p> <p>Tom Feliz, Autodesk</p>	<p>Holger Fomm, RIB AG</p>		