



Digital Built Week North America

Hyatt Regency, Seattle, Washington

July 14-20, 2019

Registration and Program Information



Who is DBEI?

The Digital Built Environment Institute (DBEI) is a global non-profit institution focused on promoting and enabling the adoption of BIM, VDC and other technological innovations in the Architecture, Engineering and Construction industry. Our organization is run 'by users, for users', with an application agnostic insight into changing technology and market conditions. Our community is comprised of thought leaders, technology implementers, practitioners and end users who are committed to sharing their knowledge and experience to improve efficiency, productivity, and quality in design and delivery.

Digital Built Week is our annual week of DBEI events. In North America this includes the DBEI Hackathon, Design Technology Summit, Data Day, Building Content Summit and BILT NA.

Each event focuses on sharing the leading edge of:

- Understanding BIM workflows to enhance & accelerate design coordination.
- Using 3D models to increase project delivery capabilities and expand client services.
- Automation techniques to enhance organisational productivity and efficiency.
- Mastering BIM software for use in generating design and construction documents.
- Modelling techniques to meet government statutory requirements.
- Deployment strategy and overcoming challenges in organisational BIM implementation.

This year Digital Built Week North America will take place over 7 days beginning on Sunday with the DBEI Hackathon. Classes commence Wednesday and conclude on Saturday night. The agenda consists of a mix of plenary and class sessions, providing opportunities to meet with industry colleagues, create new connections, and share ideas.

DBEI Hackathon North America



The DBEI Hackathon is a 2-day design sprint-like event where teams of usually between 3-4 people work together based on a specific theme, with the goal to create usable software or hardware as a functioning prototype or product by the end of the event.

Design Technology Summit: July 17-18, 2019



The Design Technology Summit (DTS) is an exclusive event that brings together professionals from large firms in the Architecture and Engineering (AE) design industry who have a responsibility for managing and implementing design technology. Attendance at DTS is by invitation only and limited to 40 registrants. The DTS Committee feel that this number better fosters an atmosphere of active and meaningful discussions between attendees.

Data Day: July 17-18, 2019



Data Day is a conference where AECO industry leaders discuss data in their industry. Data Day sessions focus on the current state of data (what people are doing now), and on what can be accomplished to visualize the data gathered, and how data drives business decisions. Data Day 2019 will run for 2 days, commencing Wednesday 17 July, the day preceding BILT NA with day 2 on Thursday running concurrent with BILT sessions. Data Day attendees will have access to the BILT plenary in the morning and then access to data focused labs and data focused roundtable discussions in the afternoon.

Building Content Summit: July 18-19, 2019



The Building Content Summit (BCS) brings together thought leaders from around the world of Design, Construction, Manufacturing and Software Services. This 2-day conference is an eclectic mix of plenary and intimate roundtable sessions where you will hear different perspectives, help develop and set trends, connect with peers and learn how to drive a positive ROI with quality BIM Content. BCS runs concurrent to BILT sessions on Thursday 18 and Friday 19 July, sharing exhibition, social events and program opportunities for attendees.

BILT NA: July 18-20, 2019



The Building Infrastructure Lifecycle and Technology (BILT) Conference series, a 3-day training event held annually in Australia, Europe, North America, and Asia. Comprised of over 100 classes, taught by recognised industry experts, this conference offers a level of instruction and insight upon tools and workflows that is not available anywhere else. This is a unique conference that has been created to advance the use of technology in Design, Construction & Operations. As an independent, not-for-profit event, we focus on Solutions not Software.

Keynote and Plenary Sessions

Keynote and Plenary Sessions are focused on personal development and leadership skills in the work environment, rather than technology and processes. The speakers of these sessions are personally chosen by the committee for their experience and ability to inspire our delegates.

Traditional Classes

Class sessions are 75 minutes long with a speaker sharing their experiences or instruction on a topic of relevance to the AEC industry. Sessions may take the configuration of a traditional classroom lecture, panel or may offer hands-on instruction in a lab setting.

Generative Design Stream

This year we are also proud to announce a new Generative Design Stream where sessions cover both research in this area, but also showcase the applied science of generative design in real projects. With such a compelling roster of presentations, discussions, and labs we're sure you can leave the conference with a solid grounding in generative design. Bring your new skills to your projects and capture and extend your firm's expertise to augment the speed and quality of the decisions you and your firm make every day.

Roundtable Sessions

Roundtable sessions involve delegates coming together to discuss various topics within the Digital Built Environment. Delegates will have an opportunity to engage with the topic leaders who are leading thought leaders and practitioners with a wide range of expertise within and outside of the AEC industry. Roundtables consist of two types - Boardroom Roundtables (24 person capacity) and Simultaneous Roundtables (12 person capacity).

Exhibition Space

With over 40 booths, delegates also have the opportunity to explore the exhibition space to discover cutting edge technology and solutions in the industry that have been carefully selected for their relevance to the event and ability to stimulate our high calibre of delegates.

Social Events

Our social events are designed to facilitate networking, sharing and relationship building amongst the entire DBEI community.





DIGITAL BUILT WEEK AGENDA



WEDNESDAY 17 JULY 2019

Start	Finish		
7:30	8:30	60 mins.	Breakfast Proudly sponsored by:  dRofus A NEMETSCHek COMPANY
8:30	8:45	15 mins.	Intro: Constant Transformation as the New Model Robert Manna
8:45	9:00	15 mins.	UNIFI Sponsor Address
9:00	10:15	75 mins.	Augmented Intelligence: putting ourselves in control of intelligent systems How can AI, automation, and robotics be used to assist rather than replace humans? How can we prioritize our value and leverage technology to support our contributions? How does a reimagined concept of mentorship support this?
10:15	10:25	10 mins.	Working Morning Tea
10:25	11:40	75 mins.	Culture: dynamic culture for a dynamic environment A recent Gartner article stated that 46% of CIOs have identified culture as the largest barrier to success in digital business. Why is that? What are the biggest cultural barriers, and how can they be overcome? What 'little things' can we start with to gain momentum?
11:40	12:30	50 mins.	Product: delivering a design and more In the design professions, our products are our designs and the deliverables that describe them. How can analytics and a continuous improvement cycle affect our product? What role can post-occupancy evaluation play in informing design decisions on future projects?
12:30	1:30	60 mins.	Lunch
1:30	3:00	90 mins.	Business: maintaining functionality in the face of change How can we operate our businesses in an environment that's always changing, all of the time?
3:00	3:10	10 mins.	Working Afternoon Tea
3:10	4:40	90 mins.	Privacy: Employees, clients: trust, security, scepticism How can we make use of valuable data while retaining client trust and minimize skepticism? How can we keep data safe and share it at the same time?
4:40	5:00	20 mins.	Wrap-Up Discussion Committee
5:00	6:30		DTS & Data Day Networking Drinks Proudly sponsored by:  UNIFI

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Start	Finish		
7:30	8:30	60 mins.	Breakfast
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8:30	8:40	10 mins.	Welcome from Chairman David Haynes
8:40	9:00	20 mins.	Build the Haystack. Find the Needle. Generative Data for Better Building Decisions. Anthony Hauck
9:00	9:45	45 mins.	Analytics for Operations: Putting Your Firm's Data to Work Doug Williams
9:45	10:30	45 mins.	Use Analytics to Elevate the Client Experience Ryan Cameron
10:30	11:00	30 mins.	Morning Tea
11:00	11:45	45 mins.	Presentation Coming Soon!
11:45	12:30	45 mins.	BIM Data, Owner Data, Are We Making Data Complicated for the Owner? Mark Mergenshroer
12:30	1:30	60 mins.	Lunch
1:30	2:15	45 mins.	Communicating with Data: Introduction to Tableau & Visual Analytics Ryan McShane
2:15	3:00	45 mins.	What if Owners wanted Data Driven Design? Steven Mahaney
3:00	3:30	30 mins.	Afternoon Tea
3:30	4:30	60 mins.	Panel: Where Is The Industry At? And What Are We Heading Towards? David Patera, Ryan Cameron, Anthony Hauck
4:30	5:00	30 mins.	Event Wrap-Up David Haynes
5:00	6:30		DTS & Data Day Networking Drinks
			Proudly Sponsored by: 

DIGITAL BUILT WEEK AGENDA

THURSDAY 18 JULY 2019

7:30	Welcome Tea & Coffee & Light Breakfast + Registration				
9:00	Introduction, Chairman Bob Bell, Randall Stevens, David Haynes, Robert Manna				
9:20	Autodesk Case Study				
9:50	1.1 HP Spotlight				
9:55	Keynote Introduction				
10:05	Architecture, Design, Data: Solving Wicked Problems of Practice in the Era of Computation Phil Bernstein				
11:00	Morning Tea				
	BCS Presentation	BILT Presentation	BILT Presentation	BILT Presentation	BILT Presentation
11:30	<p>AEC Business Transformation in the Era of AR/VR</p> <p>Ricardo Rodriguez Justin De Marco</p> <p>MAN BSL OV</p> <p>All Levels</p>	<p>Session Coming Soon!</p>	<p>Slab Edges, Deck Edges, Pour Stops, Oh My!</p> <p>Andrew Atkins</p> <p>STR ARC NVS</p> <p>All Levels</p>	<p>The Need For Speed with MEP Design</p> <p>Jon Atkinson Blake Guither</p> <p>MEP COM AD</p> <p>Intermediate</p>	<p>Adaptive Components Design to Construction at Canada's National Arts Centre</p> <p>Krister Holmes</p> <p>ARC COM AD</p> <p>Advanced</p>
12:45	Lunch				
1:45	<p>Level of Decision</p> <p>Ken Flannigan</p> <p>BSL DFMA NV</p> <p>Advanced</p>	<p>How to guide Project Managers through BIM Expectations in Contracts</p> <p>Elaine Lee</p> <p>PRM BSL NV</p> <p>Advanced</p>	<p>Anatomy of the generative design method in space planning</p> <p>Bongjai Shin Gahye Jeong</p> <p>COM ARC MV</p> <p>Advanced</p>	<p>Take Control of Your Revit Backgrounds Using By Linked Views</p> <p>David Raynor</p> <p>MOD MEP AD</p> <p>Advanced</p>	<p>Lessons Learned in Renovating a JCP into an ASC</p> <p>Jacob D'Albora</p> <p>CON MOD MV</p> <p>Intermediate</p>
3:00	Changeover				
3:10	<p>Panel: Bridge the Gap Between Content Manufacturers & Designers Needs</p> <p>Jeffrey Kuchta</p> <p>MAN MOD NV</p> <p>Intermediate</p>	<p>Don't be Denied! Get Roles and Permissions Defined in BIM 360</p> <p>Jason Boehning</p> <p>PRM CON AD</p> <p>Intermediate</p>	<p>Assemble: BIM for Everyone, Autodesk's Latest Addition</p> <p>Jeffrey Pinheiro</p> <p>CON oBIM</p> <p>Intermediate</p>	<p>Making MEPF Lean</p> <p>Dan Morrison</p> <p>MEP MOD AD</p> <p>All Levels</p>	<p>GD: Generative Design with Project Refinery</p> <p>Lillian Smith Matt Jezyk</p> <p>DFMA COM AD</p> <p>Intermediate</p>
4:25	Afternoon Tea				
4:55	<p>AEC Professionals Are from Mars, Owners Are from Venus</p> <p>Carl Storms Peter Constanzo</p> <p>ARC O&M NV</p> <p>All Levels</p>	<p>Panel: Ask Revit Anything</p> <p>Harlan Brumm</p> <p>MOD COD AD</p> <p>All Levels</p>	<p>The IT Side of BIM</p> <p>Andrell Laniewicz</p> <p>MOD MEP AD</p> <p>Advanced</p>	<p>No Fuss MEP Schedules: Using Dynamo to Maintain Standards</p> <p>Miaomiao Niu</p> <p>MEP COM AD</p> <p>Intermediate</p>	<p>Suspended Slab Detailing - Showdown of Workflows</p> <p>Landon Wilson</p> <p>DFMA ARC AD</p> <p>Expert</p>
6:10	Exhibition Networking Function				






ARC Architecture	DAT Data Management	oBIM OpenBIM	STR Structure	AD Autodesk
BSL Business Strategy and Leadership	DFMA Design for Manufacturing and Assembly	O&M Operations & Maintenance	SUS Sustainability	BT Bentley
COD Coding and Customisation	INF Infrastructure	PRC Project Controls	VIS Visualisation	GR Graphisoft
COM Computational Design	LEG Legal/Commercial	PRM Project Management	MAN Manufacturing	MV Multivendor
CON Construction	MEP MEPF	REA Reality Capture	DST Data Strategy	NT Nemetschek
COT Content	MOD Model Management	SIM Simulation & Analysis	DEN Data Engineering	NV Non-Vendor Specific
				OV Other Vendor
				TM Trimble (Tekla)
				GD Generative Design Stream

Labs Powered by:























BILT Presentation	BILT Presentation	BILT Presentation	BILT Boardroom	Data Lab	BILT Lab
Autodesk BIM 360 Design: What's New!	The Living Machine: Industrialized Construction in the World of AI	Deciphering the Language of Revit Warnings	Roundtable: Construction From a Model in the Wild	Gain Insight and Drive Action by Telling Better Data Stories in PowerBI	GD: Lab: Practical Applications of Machine Learning in Dynamo
Scott Davis	Mac Little	Richard Taylor	Carl Storms	Kyle Martin Jess Purcell	Radu Gidei
DST BSL AD	DFMA DST NV	MOD PRM GRA	PRM CON NV	DST DEN OV	COD DEN AD
All Levels	All Levels	All Levels	All Levels	Intermediate	Advanced
Life After Flux: Workflows for Revit Rhino Using Speckle	Session Coming Soon!	Don't Get Walled in By System Families	Roundtable: You Model What!?!? Structural Level of Development	Machine Learning, Getting Started with AEC Data	QA/ QC Made easy with Solibri
Yigit Karanfil Tom Reslinski		Benjamin Glunz	Andrew Atkins	Arif Hanif	Rexter Retana
COM ARC MV		ARC COT AD	STR ARC NV	COD DEN OV	MOD PRC NT
Expert		All Levels	All Levels	Advanced	Advanced
Making the Leap from Dynamo to Programming	Session Coming Soon!	Discover the Power of Digital Dashboards in Bluebeam Revu	Roundtable: Rethinking Digital Practice	Lab Coming Soon!	Real World Examples of Simplex and Dynamo for Structural Analysis
Chris Febraro		Luke Brown	Jim Marchese Michael De Orsey		Mark Rocha
COD COM		DAT CON NT	BSL PRM		STR COM
Advanced			Intermediate		Advanced
Emerald City Jewels- Building Dreams and Possibilities	Design Thinking: Integrating Reality Capture to Add Value	Panel: Multi-Discipline Best Practices for Realtime Using Enscape	Roundtable: A Picture is Worth... Replacing Specs & Sheets with BIM	Lab: Data Collection and Analysis with Microsoft PowerApps	GD: How to Train Your Model with Project Refinery
Philip Bergsieker Dale Stenning			Justin DeMarco	Masha Pekurovsky	Matt Jezyk
CON ARC AD	CON ARC OV	VIS SIM OV	DST PRM NV	DST COD OV	COD COM AD
All Levels	All Levels	All Levels	All Levels	All Levels	Expert

SIMULTANEOUS ROUNDTABLES

-  Data Day Simultaneous roundtable
-  DTS Simultaneous roundtable
-  BCS Simultaneous roundtable

THURSDAY 18 JULY 2019









11:30	1.2	 What if Owners wanted Data Driven Design?	Steven Mahaney	O&M DST	All Levels	NT
12:45		Lunch				
1:45	1.3	 People, Process, & Technology, Can We Tame the Tornado?	Jarod Schultz	BSL DST	Advanced	
		 Technology versus Technical Knowledge	Christopher Persbacker	PRM MOD	Advanced	
		 What's your AECO technology stack?	Hilda Espinal	BSL DAT	All Levels	
		 Transitioning from an Electrical Design Model to a Construction Model	Michael Massey	CON MEP	Intermediate	
		 Do Graphic Standards Still Matter in a BIM-Centric World?	Adam Murray	MOD COT	All Levels	
		 2D VS. 3D Is it officially irrelevant?	Lillian Magallanes	ARC BSL		
3:00		Changeover				
3:10	1.4	 AEC Technologies vs. the Law	Vickie Patel	LEG ARC	Advanced	NV
		 The Knowledge of One to the Use of Many	Galen Hoeflinger	BSL MOD	Intermediate	
		 What's your AECO technology stack?	Hilda Espinal	BSL DAT	All Levels	
		 BIM for Owners: Setting the Standards to Ensure the Outcome	Sheena Shook	O&M MOD	Intermediate	NV
		 The 10 Things You Can Do to Ruin Your BIM.	Lana Gochenauer	BSL MOD	Intermediate	
		 The Importance of the BIM Model for the quality of the Visual Model	Charles De Andrade	REA VIS	Intermediate	
		 Data Visualization for Everyone	Petr Mitev	COD DST	Intermediate	
4:25		Afternoon Tea				
4:55	1.5	 BI(novation)M, the Future of BIM and the AEC industry	Chris Tisdell	oBIM COM	All Levels	NV
		 Implementing a Digital Practice, Not Just BIM Management	Steve Nonis	ARC BSL	All Levels	
		 How Can Non-BIM Project Stakeholder Leverage BIM for Risk Mitigation?	Dwayne Miller	PRM BSL	All Levels	
		 Fabrication Parts, Getting Past Service Setup	Ralph Schoch	MEP DFMA	Advanced	AD
		 How Much BIM are we REALLY doing?	Michael Massey	BSL oBIM	Intermediate	
		 Getting the Best Byte for the buck: How can Owners buy BIM Data efficiently	Sheena Shook	DST O&M	Intermediate	NV
6:10	Exhibition Networking Function					

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SIMULTANEOUS ROUNDTABLES

FRIDAY 19 JULY 2019

FRIDAY 19 JULY 2019						
11:20	2.2	 A Picture Is Worth 1000 Words. Replacing Specs and Drawings with BIM.  Bridging the gap between what content Manufacturers need & what users need.	Justin DeMarco DST PRM All Levels			
			Jeffrey Kuchta MAN MOD All Levels NV			
12:35 Lunch						
	2.3	No Roundtables				
2:50 Changeover						
3:00	2.4	 Why Has Construction Been Slow to Go Digital?  Coordination Between Disciplines, Model & Content Specifics  How to Ensure Revit Family Stability	Justin DeMarco DST MOD All Levels			
			Laura Keyser MOD PRM Intermediate			
			Brian Mackey ARC STR All Levels AD			
4:15 Afternoon Tea						
4:45	2.5	 Object Libraries, Why Aren't They Common?  MEP Families – Get Ready to Route  The Need For Speed with MEP Design	Jon Mirtschin COT oBIM Advanced MV			
			Ralph Schoch MEP COT Advanced AD			
			Jon Atkinson MEP COM Intermediate AD			
6:00 End of Sessions Day 2						

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				GD Generative Design Stream

DIGITAL BUILT WEEK AGENDA

FRIDAY 19 JULY 2019

7:30	Welcome Tea & Coffee & Light Breakfast + Registration				
9:00	Introduction, Chairman			Bob Bell	
9:10	The Intersection of Infrastructure and Technology			Mark Contino	
9:30	1.1 Day 2 Keynote Introduction				
9:40	Why this is the greatest time in history to be in the Construction Industry			Steve Burrows CBE	
10:50	Morning Tea				
	BCS Presentation	BILT Presentation	BILT Presentation	BILT Presentation	BILT Presentation
11:20	Design Sprint: Content for a Lab Project from Test Fit to Construction Elaine Lee COT ARC NV All Levels	Laser Scanning for Design and Construction Scott Myatich Daniel Frye CON REA MV Intermediate	Integrating BIM with Structural Analysis: Revit to Robot and Back Rui Gavina STR MOD AD Advanced	MEPF Content That Works Dan Morrison MEP COD AD Expert	Automating structural slab design using Dynamo and Revit Achintya Bhat COM STR AD Expert
12:35	Lunch				
1:35	Identifying Data Patterns From Professional Practice Van Woods DST DEN NV Advanced	Conceptual Rendering, the Power of Non-Photoreal Visualization Joseph Kim VIS ARC MV Intermediate	Taking AIM at Open Standards Jon Mirtschin O&M DEN MV Advanced	2D Engineering Schematics: Automated and Connected Sean Fruin MEP PRM AD Advanced	GD: Early-Stage Feasibility Assessments Through Generative Design Mark Thorley COD ARC MV All Levels
2:50	Changeover				
3:00	Manufacturers in BIM Benjamin Glunz MAN	Strengthening Planning, Design and Construction through Simulation Michael Ramsay SIM ARC Intermediate	GD: TestFit: Generative Design and Real Estate Development Clifton Harness COM ARC NVS All Levels	Advanced Luminaire Families for Renderings and Calculations Andrew Leavitt MEP ARC AD Intermediate	Structural Analysis -> Revit Model -> Shop Drawings = of Precast Structures Yuji Suzuki Misako Kobayashi CON STR AD All Levels
4:15	Afternoon Tea				
4:45	Materials, Textures and Assets, oh my! - Best practices for BIM Materials Robert Weygant VIS COT AD Intermediate	Transforming Your Revit Template with Dynamo Player and Data Shapes Matt Whetstone ARC COM AD Advanced	Effective Way to Work With Steel Connections in Revit 2019 Gajanan Magdum STR CON AD Advanced	In your face clash coordination in Revit Andy Schrader MEP MOD AD Advanced	Gamification, More Than Just a Buzzword Melissa Stewart VIS ARC MV Advanced
6:00	Offsite Function at MOPOP				



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				GD Generative Design Stream

BCS Presentation

Managing BIM Content for a multi-disciplinary firm.

Christopher Shafer

COT **ARC** MV

All Levels

Labs Powered by:



BILT Presentation	BILT Presentation	BILT Presentation	BILT Boardroom	BILT Lab	BILT Lab
<p>Streamline Revit Family Content</p> <p>Brian Mackey</p> <p>COT MOD AD</p> <p>All Levels</p>	<p>Session Coming Soon!</p>	<p>Session Coming Soon!</p>	<p>Roundtable: 4 Perspectives on the Changing Face of AECO + Beyond 2019</p> <p>Marcello Sgambelluri</p> <p>BSL oBIM MV</p> <p>Intermediate</p>	<p>GD Lab: Generative Design Using the Hypar Platform</p> <p>Ian Keough</p> <p>COM COD NV</p> <p>Expert</p>	<p>Interactive Experiences in Unreal for Confident Client Decisions</p> <p>Jess Purcell Allie Bosarge</p> <p>VIS SIM AD</p> <p>Advanced</p>
<p>AR for Design Coordination Verification</p> <p>Neil Gordon</p> <p>VIS SIM OV</p> <p>Advanced</p>	<p>The Imminent Future of Technology in Construction</p> <p>Daniel Doherty</p> <p>BSL CON MV</p> <p>All Levels</p>	<p>Developing an Execution Plan for Scan to BIM (sBEP)</p> <p>Raghavendra Bhat Joseph Huang</p> <p>REA MOD AD</p> <p>Intermediate</p>	<p>GD Roundtable: Integrating Generative Design Innovations into Practice</p> <p>Chris Tisdell</p> <p>COM SIM NV</p> <p>All Levels</p>	<p>A Better Structural Workflow: Integrated Design, Analysis, and Detailing (Part 1)</p> <p>Aaron Vorwerk</p> <p>STR SIM AD</p> <p>Advanced</p>	<p>Revit to Unity, Develop Your Own Interactive VR Experiences (Part 1)</p> <p>Johan Hanegraaf</p> <p>COD ARC MV</p> <p>Advanced</p>
<p>Design in Rhino, Document in Revit</p> <p>Alfonso Monedero</p> <p>ARC COD MV</p> <p>Advanced</p>	<p>Revit API Events, the Forgotten Power</p> <p>Dan Tartaglia</p> <p>COD MOD AD</p> <p>Advanced</p>	<p>Using VR for Knowledge Transfer and Teaching Empathetic Design</p> <p>Jess Purcell</p> <p>VIS ARC</p> <p>All Levels</p>	<p>Roundtable: Is Computational Design for Everyone?</p> <p>Timon Hazell</p> <p>COM COD NV</p> <p>All Levels</p>	<p>A Better Structural Workflow: Integrated Design, Analysis, and Detailing (Part 2)</p> <p>Aaron Vorwerk</p> <p>STR SIM AD</p> <p>Advanced</p>	<p>Revit to Unity, Develop Your Own Interactive VR Experiences (Part 2)</p> <p>Johan Hanegraaf</p> <p>COD ARC MV</p> <p>Advanced</p>
<p>Faster Stadiums Using Modular Designs</p> <p>Thom Chuparkoff</p> <p>ARC PRM</p> <p>All Levels</p>	<p>Panel: Join the Dark Side: Switching from abusing tools...to making them.</p> <p>Kelly Cone</p> <p>BSL PRM NV</p> <p>All Levels</p>	<p>From BIM to Digital Twin</p> <p>Ian Siegel</p> <p>DST BSL</p> <p>All Levels</p>	<p>Roundtable: Integrating Advanced Technology into Practice</p> <p>Chris Tisdell</p> <p>BSL DST NV</p> <p>All Levels</p>	<p>Leveraging Dynamo for MEP Analytics</p> <p>Jason Boehning</p> <p>MEP MOD AD</p> <p>Advanced</p>	<p>GD Lab: MARS capsule living quarters design with the aid of Generative Design</p> <p>Dat Lien</p> <p>COM ARC MV</p> <p>Intermediate</p>

DIGITAL BUILT WEEK AGENDA

SATURDAY 20 JULY 2019

	BILT Presentation	BILT Presentation	BILT Presentation	BILT Presentation	BILT Presentation
8:30	Welcome Tea & Coffee & Light Breakfast				
	<p>Making it Rain: Achieving, Measuring, and Presenting ROI to your company</p> <p>Elaine Lee</p> <p>BSL PRM NV</p> <p>All Levels</p>	<p>The Path to BIM for Linear Infrastructure Projects</p> <p>Clay Hickling</p> <p>INF BSL MV</p> <p>Intermediate</p>	<p>An Intro to Getting Dynamo to talk with RAM Structure using the API.</p> <p>Marcello Sgambelluri</p> <p>STR COM AD</p> <p>Intermediate</p>	<p>Transitioning from an Electrical Design Model to a Construction Model</p> <p>Michael Massey</p> <p>CON MEP</p> <p>Intermediate</p>	<p>GD: Farming Forms and Managing Minions with Generative Design</p> <p>Zach Kron Radu Gidei</p> <p>COM ARC AD</p> <p>Intermediate</p>
10:15	Morning Tea				
10:45	<p>Family Therapy: Make Your Revit Families Functional with Formulas</p> <p>Andrew Leavit</p> <p>COT MEP AD</p> <p>Intermediate</p>	<p>BEP to PEP: Make the Most Out of Project Planning for BIM Success!</p> <p>Laura Keyser</p> <p>PRM BSL</p> <p>All Levels</p>	<p>Using Augmented Reality for Quality Assurance/Quality Check</p> <p>Bianca Rodriguez</p> <p>CON VIS OV</p> <p>Intermediate</p>	<p>GD: Cabin Fever: Generative Design for a Vernacular Classic</p> <p>Kyle Martin</p> <p>COM ARC AD</p> <p>Advanced</p>	<p>We All Secretly Love Revit Parameters</p> <p>Sash Kazeminejad</p> <p>MOD DST AD</p> <p>Intermediate</p>
12:00	Lunch				
1:00	<p>Generic Annotations – Fake it Until You Make It [Smart]</p> <p>Purvi Irwin</p> <p>ARC DST AD</p> <p>Intermediate</p>	<p>COBie, or Not to Be?</p> <p>David Spehar</p> <p>O&M oBIM NT</p> <p>Advanced</p>	<p>GD: Architectural Model to Schematic Structural Layout using Generative Design</p> <p>Achintya Bhat</p> <p>COM STR AD</p> <p>Expert</p>	<p>MEP Families – Get Ready to Route</p> <p>Ralph Schoch</p> <p>MEP COT AD</p> <p>Advanced</p>	<p>Linking Complex Data to BIM Models: A Case Study on the NE State Capitol</p> <p>Zach Soflin</p> <p>COD DST MV</p> <p>All Levels</p>
2:15	Changeover				
2:55	<p>Understanding Revit's Project Base Point and Coordinate System</p> <p>Nicolas Catellier</p> <p>MOD ARC AD</p> <p>Advanced</p>	<p>Virtual Pre-Inspections with Local Authorities</p> <p>Derek Zero</p> <p>VIS CON</p> <p>Intermediate</p>	<p>The Complete Life of Rebar</p> <p>Roberto Herreros</p> <p>STR CON</p> <p>All Levels</p>	<p>GD: Generative MEP in HYPAR</p> <p>Nathaniel MacDonald</p> <p>COM MEP OV</p> <p>Advanced</p>	<p>Building the BIMatrix</p> <p>Gerard Teo</p> <p>ARC COD MV</p> <p>Intermediate</p>
3:40	Afternoon Tea				
4:10	Closing Plenary				
5:30	Break				
7:35	Gala Dinner				

ARC Architecture	DAT Data Management	oBIM OpenBIM	STR Structure	AD Autodesk
BSL Business Strategy and Leadership	DFMA Design for Manufacturing and Assembly	O&M Operations & Maintenance	SUS Sustainability	BT Bentley
COD Coding and Customisation	INF Infrastructure	PRC Project Controls	VIS Visualisation	GR Graphisoft
COM Computational Design	LEG Legal/Commercial	PRM Project Management	MAN Manufacturing	MV Multivendor
CON Construction	MEP MEP	REA Reality Capture	DST Data Strategy	NT Nemetschek
COT Content	MOD Model Management	SIM Simulation & Analysis	DEN Data Engineering	NV Non-Vendor Specific
				OV Other Vendor
				TM Trimble (Tekla)
				GD Generative Design Stream

BILT Presentation	BILT Presentation	BILT Presentation	BILT Boardroom	BILT Lab	BILT Lab
<p>From Develop to Deploy: A Forge Guide</p> <p>Petr Mitev</p> <p>COD DST</p> <p>Advanced</p>	<p>Visibility Graphics: Winning the Game of Hide and Seek with Revit</p> <p>Tadeh Hakopian</p> <p>MOD PRM</p> <p>Intermediate</p>	<p>Supercharging Visual Studio with ReSharper</p> <p>Stephen Faust</p> <p>COD COD OV</p> <p>Intermediate</p>	<p>Roundtable: Demo is Not a Phase: Using Revit with Phases</p> <p>Purvi Irwin</p> <p>ARC MOD AD</p> <p>Intermediate</p>	<p>Turn Dynamo up to 11 with Python</p> <p>John Pierson</p> <p>COD ARC AD</p> <p>Intermediate</p>	<p>Creating and Modifying Revit Add-Ins Using Python and PyRevit</p> <p>Dan Boghean</p> <p>COD ARC AD</p> <p>Advanced</p>
<p>Revit Journal Files: I know what you did last deadline</p> <p>Richard Schmitt</p> <p>COD PRM AD</p> <p>Intermediate</p>	<p>Beyond the Graph: How to Deploy Dynamo in a Large Firm Setting</p> <p>Michael Kikelly</p> <p>COD COM AD</p> <p>Advanced</p>	<p>Rationalizing Revit Railings</p> <p>Brian Mackey</p> <p>ARC COT AD</p> <p>All Levels</p>	<p>Roundtable: To host or not to host? That is the MEP question.</p> <p>Jon Atkinson</p> <p>COT MEP AD</p> <p>All Levels</p>	<p>Points, and Lines and Vectors, Oh My! Dynamo Geometry for MEP</p> <p>Sean Fruin</p> <p>COM MEP NV</p> <p>Expert</p>	<p>Advance Steel and Revit, a Seamless Workflow</p> <p>David Cohn</p> <p>STR ARC</p> <p>Intermediate</p>
<p>Architecture and MEP on Multifamily/Hospitality and Groups</p> <p>Heather Worrell</p> <p>PRM MOD</p> <p>All Levels</p>	<p>How to Code-ish...</p> <p>Carl Storms</p> <p>ARC CON NV</p> <p>All Levels</p>	<p>Intentional Design: Making design intent clear with Revit and Navisworks</p> <p>David Joslin</p> <p>ARC MOD AD</p> <p>Intermediate</p>	<p>Roundtable: It's Time to Get a BIM Technician</p> <p>Alix Calon</p> <p>PRM MOD</p> <p>All Levels</p>		
<p>Automating Occupancy, a Smarter Way</p> <p>Dana de Filippi</p> <p>ARC COM AD</p> <p>All Levels</p>	<p>R&D: A Dedicated Approach to Office Advancement</p> <p>Steve Nonis</p> <p>BSL ARC</p> <p>All Levels</p>	<p>Saving Money by Forecasting Licensing Demand</p> <p>Nick Kovack</p> <p>DST BSL AD</p> <p>Intermediate</p>	<p>GD Roundtable: Reinforcement Learning Models for Engineering Design Problems.</p> <p>Juhun Lee</p> <p>COM STR NV</p> <p>Expert</p>		

KEY SPEAKERS FOR DIGITAL BUILT WEEK NA 2019



Brian Mackey

Head Geek, BD Mackey Consulting

Better known as “The Revit Geek”, Brian has spent more than 25 years in the AEC industry, more than 10 of which have been focused on Revit and BIM. After nearly a decade of working with Architects and Engineers to advance BIM in their companies, Brian started his BIM consulting company in 2011 to focus on custom high-level training and mentoring.



Vickie Patel

BIM Manager, HKS Inc.

Vickie Patel currently is the Practice Technology Manager at HKS Architects in Dallas, Texas, USA. With her diverse skill set and over 10 years of architectural experience, she is responsible for developing, maintaining and administering all BIM protocol and standards.



Daniel Doherty

VDC Manager, PCL Construction

Daniel is Manager of Virtual Construction at PCL Construction in Edmonton, AB. He has 15 years of experience in the AEC industry, starting as a construction laborer, later as an Architectural Technologist and now as VDC Manager at PCL. Faced with today’s rapid pace of change, Daniel is continually looking for ways to innovate process and leverage technological tools.



Marcello Sgambelluri

Director of Design Technology, JAMA

Marcello Sgambelluri currently serves as the Director of Design Technology at John A. Martin & Associates Structural Engineers in Los Angeles. He has worked on many projects in the past 19 years including the Walt Disney Concert Hall in LA, the Ray and Maria Stata Center at MIT, and the Tom Bradley International Terminal expansion at LAX.



Heather Worell

Director of BIM, RATIO

As RATIO’s Director of BIM, Heather coordinates BIM technology, standards, and training within all of the RATIO studios. She works closely with the Project Directors and Model Managers for each project to ensure projects are being efficiently and proficiently created.



Jeffrey Pinheiro

Regional VDC Manager, Turner Construction Company

Jeffrey is a registered architect in the state of Connecticut and has 12 years of experience in varying roles throughout the industry. Jeffrey has designed and constructed an array of building types from small residential additions to multi-million dollar hospitals.



Doug Williams

Director of Digital Practice, Leo A Daly

As the Director of Digital Practice, Doug Williams leads a team of 11 Digital Practice professionals on the vision, strategy, resources, and direction for the use of technologies in practice. His team progresses the processes for improved workflows across the interdisciplinary design practice of Leo A Daly's global design practice.



Christopher Shafer

Digital Design Leader for BIM Content, HDR

Chris has over 13 years of experience as an architect with the last five years with a significant focus development Revit process and content. In addition to working with HDR, he has also worked with Perkins+Will and CBT Architects. His current role is the Digital Design Leader for BIM Content for HDR working out of their Boston office



Ellen Bensky

CEO, Turner Fleischer Architects Inc.

As a Partner and CEO of Turner Fleischer Architects Inc., Ellen's mission is to build and lead a dynamic, results-oriented organization dedicated to client satisfaction, staff retention and growth.



Jim Marchese

Business Solution Analyst, Stantec

Jim has always been drawn to technology. He says it's a way to help people be better at what they do. Jim leverages technology as a way to engage with others and help them find the best way to solve problems.

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