AIA Ohio Technology Summit Schedule of Events

All events are at Sinclair Community College unless otherwise noted

Thursday, July 28, 2022

Timeline	Credits	Program Description	Venue
4:00-5:00	1 HSW	This session, developed in cooperation with Emerson Electronics, will show participants how sensors are used in the monitoring of designs. From residential to commercial applications, sensors are becoming more important in design as data is constantly monitored to provide comfortable environments that provide energy-saving opportunities. The program will be held at the Helix at the Emerson Building adjacent to the Marriott Hotel complex.	The Helix
5:00-6:00		Welcome Reception	The Helix

Friday, July 29, 2022

Timeline	Credits	Program Description				Venue
8:30 - 9:30		REGISTRATION				North Atrium in Building 12
9:30-10:45	1 HSW	OPENING KEYNOTE: ICON/ Lake Flato. Lake|Flato, an architecture firm that has long been at the forefront of sustainable residential design, and ICON, a construction technologies company putting advanced robotics in service to humanity, will discuss the game-changing design process of House Zero. Speakers: Ashley Heeren from Lake | Flato and Bungane Mehlomakulu from ICON.				Smith Auditorium in Building 12
10:45-11:00		Break				
11:00-11:30	.5 HSW	Architecture in Flight Through an "over the shoulder" approach, participants will be able to better understand how drones can be used by architects in the performance of their services. The session will demonstrate the ability of drones in providing the design and construction profession tools to increase their knowledge of project site activities and progress. Drone operators will instruct members on the limitations of drone use as well as the opportunities. Location: DRONE LAB in Building 13 (limit to 30)	Commissioning Participants in the Commissioning Lab session will have the opportunity to see the equipment used in the commissioning of buildings in LEED and other sustainability programs. Session participants will be able to examine tools used in sustainable design and the information provided for use by the designer. The commissioning lab will provide those unfamiliar with the process to understand the commissioning process. Location: COMMISSIONING LAB in Room 126, Building 11 (limit to 25)	Energy Analysis in Early Design This presentation will go over specific examples of how to use energy modeling and other types of performance analysis early in design to drive decision-making and achieve performance goals. Presenters: Carl Sterner and Sanyog Rathod from Sol Consultion. Location: Classroom in Building 12 (limit to 30)	Software Solutions - How the Right Technology Can Drive Your Architecture Practice Forward As firms struggle to keep up with the latest technology, one of the biggest questions is what technology can help make architects more efficient and effective in their day-to-day tasks? Join this session to see how the right technology can better equip your teams regardless of where the project takes them at every stage of the project lifecycle. You will hear about the latest architecture-specific apps, field reporting, specification tools and much more to help your teams save time, frustration and ultimately be more productive. Location: Classroom in Building 12 (limit to 30)	Classroom or specialty space
11:30-11:45		Break				
11:45-12:15	.5 HSW	Architecture in Flight Through an "over the shoulder" approach, participants will be able to better understand how drones can be used by architects in the performance of their services. The session will demonstrate the ability of drones in providing the design and construction profession tools to increase their knowledge of project site activities and progress. Drone operators will instruct members on the limitations of drone use as well as the opportunities. Location: DRONE LAB in Building 13 (limit to 30)	Commissioning Participants in the Commissioning Lab session will have the opportunity to see the equipment used in the commissioning of buildings in LEED and other sustainability programs. Session participants will be able to examine tools used in sustainable design and the information provided for use by the designer. The commissioning lab will provide those unfamiliar with the process to understand the commissioning process. Location: COMMISSIONING LAB in Room 126, Building 11 (limit to 25)	Energy Analysis in Early Design This presentation will go over specific examples of how to use energy modeling and other types of performance analysis early in design to drive decision-making and achieve performance goals. Presenters: Carl Sterner and Sanyog Rathod from Sol Consultion. Location: Classroom in Building 12 (limit to 30)	Software Solutions - How the Right Technology Can Drive Your Architecture Practice Forward As firms struggle to keep up with the latest technology, one of the biggest questions is what technology can help make architects more efficient and effective in their day-to-day tasks? Join this session to see how the right technology can better equip your teams regardless of where the project takes them at every stage of the project lifecycle. You will hear about the latest architecture-specific apps, field reporting, specification tools and much more to help your teams save time, frustration and ultimately be more productive. Location: Classroom in Building 12 (limit to 30)	Classroom or specialty space
12:15-1:15		Lunch				Charity Early Auditorium, Bldg. 12

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Friday, July 29, 2022 (continued)

1:15-2:15	1 HSW	Drones In Practice	The Reality of VR	Multidimensional Design: Implementing Augmented Reality and Simulation Modeling		
		This session will offer attendees the opportunity to understand how others within the design community are using drones in their daily practice. From GIS mapping to on-site construction administration, participants will have the opportunity to explore with experienced members of design firms, the way drones are being used by the construction industry. This program complements the Architecture in Flight demonstration. Presenters: Aaron Lawrence and Ethan Schreuder from Woolpert. Location: Classroom, Building 13 (limit to 30)	Virtual Reality is a tool that has been available to the design profession for many years. This session has been designed to demonstrate to members the ways firms are using VR in their design process to improve services and advance client understanding of design. The Virtual Reality program will allow members to use VR equipment to view projects developed to show the capabilities of this technology in design. Presenters: Vern Hendrickson and Brian Oldiges from SHP and Dean Lutton from Reztark. Location: In Building 11, room 448 (limit to 20)	Learn strategies that leverage technology to help paint a very different picture of design. Through several case studies, you will understand how GBBN leverages technology to help clients understand design in multiple dimensions. Presenters: Troy Malstrom, Angela Mazzi and Stephanie Shroyer from GBBN. Location: Auditorium, Building 14 (limit to 40)		Classroom or specialty space
2:15-2:30		Break				
2:30-3:30	1 HSW	Drones In Practice	The Reality of VR	Multidimensional Design: Implementing Augmented Reality and Simulation Modeling		
		This session will offer attendees the opportunity to understand how others within the design community are using drones in their daily practice. From GIS mapping to on-site construction administration, participants will have the opportunity to explore with experienced members of design firms, the way drones are being used by the construction industry. This program complements the Architecture in Flight demonstration. Presenters: Aaron Lawrence and Ethan Schreuder from Woolpert. Location: Classroom, Building 13 (limit to 30)	Virtual Reality is a tool that has been available to the design profession for many years. This session has been designed to demonstrate to members the ways firms are using VR in their design process to improve services and advance client understanding of design. The Virtual Reality program will allow members to use VR equipment to view projects developed to show the capabilities of this technology in design. Presenters: Vern Hendrickson and Brian Oldiges from SHP and Dean Lutton from Reztark. Location: In Building 11, room 448 (limit to 20)	Learn strategies that leverage technology to help paint a very different picture of design. Through several case studies, you will understand how GBBN leverages technology to help clients understand design in multiple dimensions. Presenters: Troy Malstrom, Angela Mazzi and Stephanie Shroyer from GBBN. Location: Auditorium, Building 14 (limit to 40)		Classroom or specialty space
3:30-3:40		Break				
3:40-4:40	1 HSW	**Groundwork Design Research by KVA MATx:** The closing keynote session of the Technology Summit will focus on the work of KVA of Boston. Ben Widger will provide participants with a behind-the-scenes look at the recently completed Global Flora/Wellesley and their ongoing work with MIT and illuminated plant life known as the nano biotic plant project. Presenter: Ben Widger, AIA, KVA Boston.				Smith Auditorium in Building 12
4:40-6:30		CLOSING RECEPTION				Outdoor courtyard outside Building 10 Welcome Center