

## **ASCC Hosts Laser Scanning Workshop on Concrete Construction Tolerances**

ASCC will hold a Laser Scanning Workshop on Cast-in-Place Concrete Tolerances in Pavilion 4 at the Westgate Hotel from 8a.m. - 5p.m. in Las, Vegas, in conjunction with the World of Concrete. Dr. Bruce Suprenant, PhD, PE, FACI, CSI: CCCA, CCS, technical director of ASCC, is the workshop coordinator.

**The workshop is by invitation only.** General and concrete contractors, manufacturers of laser screening equipment, scanning processing companies, and others in the industry will present and discuss 3D measurement, imaging, level of accuracy, repeatability and reproducibility along with recommended practices for presenting laser scanning data for tolerance compliance.

The morning will feature presentations on separate topics while the afternoon will be devoted to working groups to discuss recommended practices for laser scanning for concrete construction tolerances. **The objective of this workshop is to create a recommended standard practice for laser scanning, data processing, data handling, and a data reporting summary that can be effectively used and understood by all parties in determining tolerance compliance for concrete construction.**

ACI has provided preliminary approval for a technical session on this topic at its convention in Las Vegas in October 2018. ACI-ASCC 117 is considering developing a new document on “Recommended Practice for Laser Scanning for Cast-in-Place Concrete Construction Tolerances”. Philip Lorenzo of Rithm and Frank Salzano of CECO co-chair the ACI-ASCC 117 subcommittee on laser scanning.

The agenda for the Workshop is shown below.

<b>Presentation</b>	<b>Time</b>	<b>Speaker/Group Leader</b>
<b>Welcome</b>	8:00 -- 8:10 am	Bruce Suprenant
Collecting Data: Getting a Point Cloud	8:10 – 8:30 am	Loay Hanthel, Largo Concrete
Processing Data: From Point Cloud to Numbers	8:30 – 9:00 am	Philip Lorenzo, Rithm
Lessons Learned from Processing Data	9:00 – 9:30 am	Will Paul, BKF Engineers
<b>Break</b>	9:30 – 9:45 am	
<b>Examples</b>	9:45 – 10:45 am	
• Slab – F-numbers and elevation	9:45 – 10:00 am	Josh DeStefano, DPR
• Wall – location of core walls	10:00 – 10:15 am	Kevin Stein, BKF Engineers
• Stairs – riser and tread	10:15 – 10:30 am	Philip Lorzeno, Rithm
• Materials – concrete cover for reinforcement	10:30 – 10:45 am	Philip Lorzeno, Rithm
ACI-ASCC 117 Tolerances	10:45 – 11: 15 am	Eric Peterson, Webcor
Merging Scanning and Tolerances	11:15 – 12:00	Bruce Suprenant, ASCC
<b>Lunch</b>	12:00 – 1:00 pm	
<b>Breakout Sessions</b>		
#1 Stairs and ADA	1:00 – 2:45 pm	Jim Klinger, Conco
#2 Slabs	1:00 – 2:45 pm	Eamonn Connolly, McHugh
#3 Walls/Columns	1:00 – 2:45 pm	Frank Salzano, CECO
#4 Materials	1:00 – 2:45 pm	Mike Ahearn, Pivot Engineers

<b>Presentation</b>	<b>Time</b>	<b>Speaker/Group Leader</b>
<b>Break</b>	2:45 – 3:00 pm	
<b>Report on Sessions</b>		
#1 Stairs and ADA	3:00 – 3:25 pm	Jim Klinger, Conco
#2 Slabs	3:25 – 3:50 pm	Eamonn Connolly, McHugh
#3 Walls/Columns	3:50 – 4:15 pm	Frank Salzano, CECO
#4 Materials	4:15 – 4:40 pm	Mike Ahearn, Pivot Engineers
<b>Summary</b>	4:40 – 5:00 pm	Bruce Suprenant, ASCC

Contact Bruce at [bsuprenant@asconline.org](mailto:bsuprenant@asconline.org) or 303-829-8546 for more information.