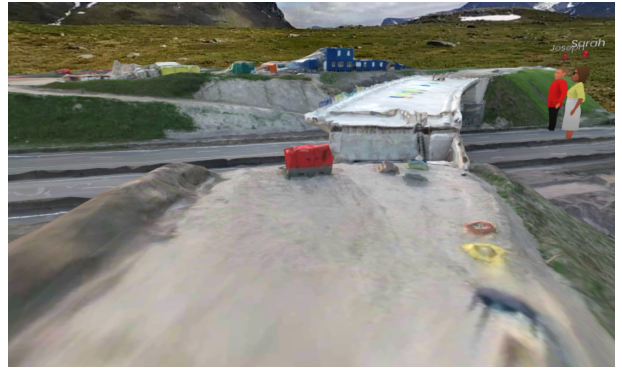
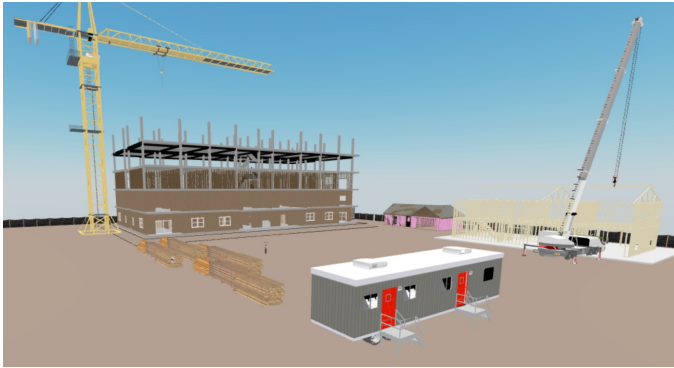


An NSF-funded Workshop @ i3CE 2025:

iVisit – Creating Web-based Virtual Field Trips for Construction Courses



Date: May 11th, 2025 | **Time:** 1:00 – 3:00 PM

Location: Poydras Room, InterContinental New Orleans Hotel

RSVP: Scanning the QR code or Clicking this [link](#)

⚠ Limited Capacity – Secure Your Spot Early!



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Workshop Goal

Field trips offer authentic opportunities for student learning in Architecture, Engineering, and Construction (AEC). However, many financial and accessibility challenges reduce the number of field trips available in the AEC curriculum. The goal of this workshop is to deliver key pedagogical strategies to create and adopt iVisit (web-based digital environments) in AEC classrooms.

Workshop Learning Objectives

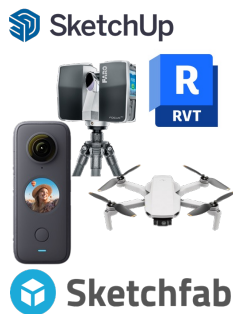
Virtual Field Trips and Learning

- Understand the pedagogical advantages and barriers to field trips
- Identify the principles for learning in extended reality (e.g., presence, immersion, embodiment)
- Demonstrate research informed concepts behind virtual field trips

Making Virtual Field Trips

How to create content for virtual field trips?

- Implement basic reality capture (e.g., photogrammetry) & equipment (drones, laser scans, 360 cameras)
- Use models from common software (e.g., Revit, SketchUp, Rhino)
- Choose online resources (e.g., sketchfab)



How to set-up web-based spaces for virtual field trips?

- Utilize FrameVR importing and working with contents (e.g., models, point clouds, pictures, drawings)
- Recognize properties and setting within the digital environments
- Design virtual activity settings



How do users experience virtual field trips?

- Author user avatars and AI interactive agents
- Assemble multi-user communication and interaction spaces
- Construct shared meetings and virtual activities



Best Practices for Designing and Implementing Virtual Field Trip in Classrooms

- Select practical applications for using virtual field trips
- Understand success case-studies in AEC, STEM, and beyond!

For any questions,
reach out to the
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