



Transforming Construction with Reality Capture Technologies: The Digital Reality of Tomorrow

August 23-25, 2022, Fredericton, New Brunswick, Canada

Innovation Pitch: Innovation by Industry and Research Labs

Call for Submission

Innovation is at the core of having a better world. It provides successful solutions to advance business performance and quality-of-life. Research and collaboration among academia, government, and industry are a proven approach to the realization of innovation benefits.

This conference will provide a unique opportunity for collaborative research through a novel stream for industrial innovation called "Innovation Pitch by Industry & Research Labs". It is an exclusive chance for industry and government sectors to share, through live presentations, their challenges, problems, and hopes. It is also chance for applied research labs and centres worldwide to showcase their previous projects and highlight their innovative strategies, roadmaps, and research directions for a better tomorrow. Our goal is to create a market for remote capture innovation by bringing together those with related problems and those with technology solutions.

On behalf of the conference technical stream committee, **we are pleased to invite your organization to participate in this novel stream.**

Themes and topics

Submissions by industry and research labs should be related to the conference theme which includes, but is not limited to remote sensing, Laser/LiDAR Sensors, Radar/GPR data sensors, GPS, UWB, RFID, Beacons, photogrammetry, etc. Submissions are also encouraged which focus on the integration of such technologies with applications related to building information modelling (BIM), augmented reality, UAVs, 3D Printing, and/or digital-twin applications, as well as the subsequent analysis of the produced models. Finally, submissions may also present case studies related to the UAV of remote capture technologies in the Architectural, Engineering, Construction, and Facility Management industries.

Notice of intention and submission processes

To register your notice of intention (NOI) to participate simply respond to the questions below by the due date. Afterwards, the NOI will be evaluated by the technical committee for consistency with the conference theme. After acceptance, you need to send your final submission which is a maximum of two-page summary that includes a summary figure and preferably the corresponding presentation slides or a 10-minute pre-recorded video. Finally, we expect you to present your topic in the conference and participate in Q&A period.

All submissions should be emailed to the conference technical committee chair, Dr. Ala Suliman at a.suliman@unb.ca.

Important dates

Please check the conference website [here](#) for updated dates

Submission guiding questions

The following questions are designed to identify potential academia/industry/ government collaborators and to highlight your organization's expertise. Please provide your response in a maximum of 2 pages to attract targeted collaborators:

Identification:

Organization name:

Organization address:

Years in business:

Line of expertise:

Major accomplishments/capabilities:

What is your organization's vision/mission, innovation philosophy, strategy of engagement and collaboration with academic, industry, or government partners?

Forward looking:

What is your organization's future projects/research directions, roadmap of innovation, plan for sharing knowledge with academia, industry, or government, and the organizations that you could benefit from collaborating with?

What specific challenges, problems, and/or hopes, would you like to share as possible future investigation projects or potentials of collaboration with academia or industry? Elaborate. An example might be *streamlining inter-technology integration and multi-source RC data fusion and processing for automatics reality capturing and quality inspection.*

Other

Would you agree to publishing your final submission in the anticipated special issue of the Canadian Journal of Civil Engineering after the conference?

Yes No

Would you like to share Your ideas/comment on this initiative and any improvement suggestions?

Thank you for your time and effort.