



SMART CAMPUSES

LEADING THE CAMPUS OF THE NEXT CENTURY

2019 OAPPA Annual Conference – May 28 to May 31

Integrating BIM and Augmented Reality for Facility Management

Presentation Theme

- BIM for Facility Management
- Concept of "As maintained" model
- Use of multiple technologies for data capture
- Use of technology for operations and maintenance such as data access and visualisation through tablets/mobiles and augmented reality
- Lifecycle works (time saving by accessing the right data at the right time)
- Simulation, planning of works
- Quality assurance, progress monitoring (remotely)
- Remote troubleshooting
- Visualize Energy consumption for greater optimization

Learning Outcomes/Take Aways:

- Understanding the potentials of using BIM for the building-installation lifecycle
- Integrating techs such as IoT, reality capture, augmented reality and "connected campus"
- IoT and integrating data for predictive maintenance
- Leveraging data for facility management and asset management

Presenters:

Lieu Dao, BIM/VDC Senior Integrator, Pomerleau

A key member of Pomerleau's BIM-VDC team, Lieu Dao currently coordinates BIM for design and construction phases and actively pushes innovation development in construction. Her recent projects include the Montréal-Trudeau Airport, Place Ville-Marie Revitalization and Videotron Centre. Lieu's educational background includes a Master's in Construction Management from ETS (School of High Technology) and studying abroad at the Politecnico di Milano. She has worked on research projects that focus on the design process by integrating IT and BIM. Her graduate studies concentrated on the implementation and optimization of a BIM platform for the City of Montreal property management service.

Nicolas Vézeau, Bid Director, Public Private Partnership, ENGIE Services - North American market.

Prior to joining ENGIE, Nicolas worked in management consulting with KPMG in the digital transformation team. Nicolas holds a master's degree in finance from the École nationale d'administration (ENA) in France and also a master's and a bachelor's degree from Laval University in Québec city.