



Efficient management in a changing context

CALL FOR SPEAKERS



CENTRE DES CONGRÈS DE QUÉBEC

NOVEMBER 21-22, 2022

CALL FOR SPEAKERS

The 28th annual INFRA Congress, an initiative of the Centre for Expertise and Research on Infrastructures in Urban Areas (CERIU), will bring together a large number of engineers, urban planners, technologists, decision-makers, managers and researchers from various backgrounds.

Take advantage of this opportunity to share your know-how and your team's success stories by presenting projects and solutions that promote sound infrastructure management and sustainable urban development.

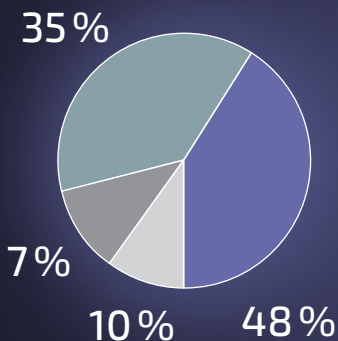
DEADLINE
Submit your proposals by

June 3rd, 2022

CERIU

Committed to promoting the effective transfer of knowledge and applied research to foster the development of practices, techniques, standards and policies that support sustainable, cost-efficient asset management and hone the competitive edge of businesses operating in the municipal infrastructure sector.

PROFILE OF PARTICIPANTS 2021 [VIRTUAL]



ORGANIZATIONS

Municipalities: **48 %**
 Businesses: **35 %**
 Government and associations: **10 %**
 Educational institutions: **7 %**

Participants: **953**
 Speakers: **98**
 Conferences: **60**
 Exhibitors: **32**
 Sessions: **12**

THEMATIC

Efficient management in a changing context

Efficient asset management is a major challenge when the context is evolving significantly. Different aspects of municipal management are particularly impacted by all the rapid changes in current conditions, both socioeconomic and environmental. Cities must continue to develop and adapt their assets while ensuring sound and coordinated management with durability as objective.

Managers also face increasing issues related to purchasing, staffing and financial resources. The identification of action priorities and asset preservation are becoming increasingly essential; they bring important challenges in the response to various municipal requirements.



PROGRAMMING COMMITTEE ORIENTATIONS

TECHNICAL COMMITTEE GUIDELINES [1/2]

URBAN PLANNING —

- Climate change.
- Urban density issues.
- Equity in urban development and resilience of communities.
- Urban integration of infrastructure and quality of life in neighbourhoods.
- Governance – how to integrate the notion of adaptation into urban development processes.
- Multidisciplinarity of actions and urban infrastructure sectors (integrating surface and underground infrastructure).
- Convergence of all stakeholder vision statements and objectives.
- New ways to manage urbanization.
- Research and innovation in urban development as ways to adapt for the city of tomorrow.
- Transitional planning.
- Adding vegetation and green infrastructure to create the city of the future.
- Social acceptability.

WATER MANAGEMENT —

Flooding:

- Artificial intelligence.
- Emerging approaches for flood resilience.
- Practices and approaches for flood management.
- Flood prevention.
- Resilient land planning and climate change impacts.

Drinking water:

- Land-use management.
- Regional-level water source protection through watersheds.
- Watershed management.
- Best practices in drinking water management.
- Optimum understanding of water sources.

Rainwater and wastewater:

- Best practices in the sustainable management of rainwater and green infrastructure.
- Overflow control and compensation measures.
- Optimization of existing infrastructure, including green infrastructure elements.
- Adapting to climate change.
- Integrating the smart city.
- New trends in water monitoring.
- Regulatory framework (new).

PROGRAMMING COMMITTEE ORIENTATIONS

TECHNICAL COMMITTEE GUIDELINES [2/2]

SURFACE INFRASTRUCTURE —

- Projects and initiatives related to climate change, resilience reinforcement and pollution reduction.
- Best practices in materials recycling.
- Innovative materials.
- Design, creation and maintenance of streets and bicycle paths.
- Initiatives for the Vision Zero approach.
- Innovations for inspection methods, including the use of drones.
- Issues and solutions with regard to geo-techniques, ground marking and LED lighting.
- Contractual management of innovation.
- Performance contracts.
- Potential use of digital modelling for urban infrastructure.

ASSET MANAGEMENT —

- Integration challenges.
- Ecological transition.
- Forecasting future needs, essential for asset management.
- Optimizing decision-making in resource management.
- Involvement of citizens in the design of projects, Sesame system.
- Representation of a city's service diversity in asset management.
- Can artificial intelligence be a predictive tool for asset management?
- Knowing how to use available data in asset management.
- Overview of asset management.
- Stormwater control connected to asset management.
- Green infrastructure for at-source retention, minor/major network.

UNDERGROUND INFRASTRUCTURE —

- Stabilizing and protecting facilities.
- Best practices in underground infrastructure protection.
- Network inspections and status.
- Case analyses.
- Rehabilitation of chambers and manholes.
- Replacement techniques for lead service connections.
- Artificial intelligence
- Resilience of underground infrastructure and climate impacts.
- Duality of efficient management of underground infrastructure projects in an evolving context.
- Project management in a context of staffing shortages.
- Respecting standards and regulations in an evolving context.
- Regulations related to environmental legislation.

UTILITIES TECHNICAL COMMITTEE —

- Infrastructure overload in public spaces (including utility networks).
- New technologies.
- Maintenance of infrastructure status.
- Best practices for wireless (5G).
- Best practices for network deployment.
- Best practices during projects.
- Urban densification issues.
- Climate change.
- Network mapping.
- Management guide for utility networks in public right-of-ways.
- Statement of principles for the joint management of public space.

SELECTION COMMITTEE



Conference proposals are evaluated by a committee of experts under the direction of our organizing committee co-chairs, **Ms. Sharon Clavet**, Sustainable Development Division, Land Use Planning and Environment Department, City of Quebec and **Mr. Richard Brodeur**, co-founder of the firm Brodeur Frenette.



SELECTION CRITERIA

- Present a case study, an applied experimental project or a study project applied.
- Demonstrate the innovative aspect and associate it with a project of a municipality (if applicable).
- Support the results with quantifiable and demonstrable data.
- Demonstrate a multidisciplinary approach (if applicable).
- Accept the retransmission of your presentation.
- Respect the presentation methods.
- Be available on the three days of the congress or clearly identify unavailable days in the proposal form. Note that this could compromise nomination.
- Do not present a promotional type project for your company.
- Any project carried out in a municipal environment must be presented with a representative a municipality
- Any university applied study project must be submitted by the student and the teacher.

Respect the filing deadline of

June 3rd, 2022

INFORMATIONS AND FORM

TERMS OF PRESENTATION

- Schedule a **20-minute presentation** with **5 minutes of questions**
- The speaker will have to present his presentation (**Powerpoint, 16:9 format**) to the organization **no later than Monday, November 1st, 2022.**
- The speaker whose presentation **includes videos** commits to **deliver these separately from the presentation** to avoid problems technical on the spot (**format: mp4 1920 x 1080**)
- The speaker agrees to use the **ARIAL font at least 18 pts.**

IMPORTANT DATES

- Deadline for **filing forms: JUNE 3RD, 2022**
- **Confirmation of speakers** for the 2022 edition: **AUGUST 1ST, 2022**
- **Delivery of the speakers' presentation: NOVEMBER 1ST, 2022**
- **INFRA 2022 Congress: NOVEMBER 21-22, 2022**

FORM

To register, please complete the [online registration form speakers](#) Infra 2022.

Official confirmation from the selection committee will be sent in August.