



*Theme : Adapting to
create the city of tomorrow*

CALL FOR SPREAKERS



CENTRE DE CONGRÈS DE ST-HYACINTHE

NOV 30th to DEC 2nd 2020

CALL FOR SPEAKERS

Organized by CERIU (Centre d'expertise et de recherche en infrastructures urbaines), this 26th INFRA Congress will bring together engineers, urban planners, technologists, decision-makers, managers, landscape architects and researchers from all walks of life.

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.

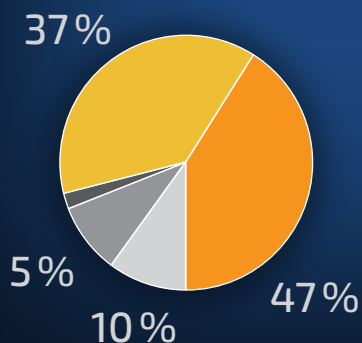
DEADLINE
Submit your proposals by

June, 5th 2020

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.
The Strenght of Partnership.

WHO WILL ATTEND



INFRA 2019 was an unprecedented success so far due to the record number of participants. **It was already sold out one week before the event and registrations had to be suspended.** This was a first and quite a gift for this anniversary.

In short, the INFRA 2019 congress welcomed 1,057 participants, 47% from municipalities, almost 10% more than last year, 37% from companies, 5% from government and associations and 10% from educational institutions. The program, which was divided into 18 sessions, featured close to 100 lectures given by 144 high-calibre speakers from Quebec, Canada and abroad. The Salon des affaires brought together 60 exhibitors.

THEME

Adapting to create the city of tomorrow

In a changing world, the various players in the city must adapt their practices to new requirements and the arrival of innovative technologies.

The latter, both tangible and intangible, require everyone to acquire new skills and knowledge to manage and develop the city of tomorrow.

These technological advances should not, however, replace the dialogue between the city's historical partners, nor the need to collaborate and create this changing city by integrating infrastructure, these essential pillars of the city of yesterday, today and tomorrow, into the urban vision.



PROGRAMMING COMMITTEE ORIENTATIONS

TECHNICAL COMMITTEE GUIDELINES [1/2]

URBAN DEVELOPMENTS:

- Infrastructure congestion in the public space including RTUs
- New technologies
- Maintenance and upkeep of infrastructure
- Best Practices in Wireless (5G)
- Good practices with network occupancy
- Good practice in interventions
- Urban densification issues
- Climate change (new energies, measures to be put in place)
- Network mapping

SURFACE INFRASTRUCTURE:

- Climate Change Projects and Initiatives, Building Resilience and Reducing Pollution
- Good material recycling practices
- Innovative materials
- Design, development and maintenance of streets and bicycle lanes
- Initiatives in the Vision Zero approach
- Novelties in inspection methods including the use of UAVs
- Challenges and solutions in the fields of geotechnics, road markings and LED lighting
- Innovative projects in engineering structures

WATER MANAGEMENT:

Flood:

- Innovations in the field
- Major challenges with climate change
- New technologies
- Artificial intelligence
- Emerging Approaches to Flood Resilience
- Flood management practices and approaches
- Flood prevention

Drinking water :

- Land management
- Major challenges with climate change

New technologies

- Drinking Water Protection with Watersheds
- Good drinking water management practices
- Better knowledge of drinking water resources (groundwater and surface water)

Storm and waste water :

- Good practices in stormwater management and green infrastructure
- Overflow control and compensatory measures
- Optimize existing infrastructure, including green infrastructure
- Adaptation to climate change
- Integrating the smart city

PROGRAMMING COMMITTEE ORIENTATIONS

TECHNICAL COMMITTEE GUIDELINES [2/2]

ASSETS MANAGEMENT :

- Anticipating future needs and objectives: densification, electrification, major projects, structuring mobility, paradigm shifts, etc.
- Anticipating threats and constraints: climate change, economic situation, data, etc.
- Set strategic objectives: resilience, risks, service levels, user focus, efficiency
- Equipping ourselves with the best tools: new technologies, AI.

TRENCHLESS TECHNIQUES :

- Innovative technologies
- Liner Rehabilitation
- Casing rehabilitation
- Ad hoc interventions
- Rehabilitation by spraying
- Microtunnelling machine - Drilling - Bursting

UNDERGROUND INFRASTRUCTURE :

- Stabilization and protection of structures
- Good practices in underground infrastructure protection
- The smart city and underground infrastructure management
- Inspections et état des réseaux
- Case Studies
- Rehabilitation of rooms and manholes
- Technique for replacing lead service connections

URBAN PLANNING:

- Climate change (climate adaptation and resilience, ecological transition, drivers of change and opportunities)
- The challenges of urban densification (requalification of destructured environments and urban form on a human scale)
- Equity in Urban Planning and Community Resilience
- The urban integration of infrastructures and the quality of living environments (landscape, heritage, architecture and environment)
- Governance - how to integrate the concept of adaptability into urban planning processes
- Multidisciplinarity of interventions and urban infrastructure sectors (integrating terrestrial and underground)
- The convergence of all stakeholders' visions and objectives
- New ways of managing urbanisation
- Research and innovation in urban planning as a means of adapting to the city of tomorrow
- Greening and green infrastructure to create the city of the future.

SELECTION COMMITTEE

Conference proposals are evaluated by a committee of experts under the direction of our co-chairs of the organizing committee, Ms. Marie-Élaine Desbiens, P.Eng., M.Sc. and Mr. Jean Carrier, P.Eng. Division Chief, Road and Cycling Asset Management Division, Ville de Montréal.

SELECTION CRITERIA

- Case Study, Applied Experimental Project or Applied Study Project
- Innovative character associated with the municipal environment
- Supported by concrete data and results
- Multidisciplinary approach

CONDITIONS

- Be available for the duration of the congress
- No presentations of a purely promotional nature
- A project of a public body must be submitted with a representative of the body
- A university project of applied study must be presented jointly by the student and the professor
- Accept the retransmission of the presentation

• **Meet the application deadline**

June 5th, 2020

INFORMATION AND FORM

PRESENTATION MODALITIES

- Allow for a **20-minute presentation with a 5-minute** question period
- The speaker must submit his presentation (**Powerpoint**) to the organization **no later than Friday, November 6, 2020 in 16:9 format**
- The speaker whose **presentation includes videos undertakes to hand them in separately from the presentation** to avoid technical problems on site (**format : mp4 1920 x 1080**)
- The speaker undertakes to use the **ARIAL font in a minimum of 18 pts.**

IMPORTANTE DATES

- **Deadline for submission of forms: June 5, 2020**
- **Confirmation of speakers for the 2020 edition : August 2020**
- **Deadline for speaker presentations: November 6, 2020**
- **INFRA 2020 : November 30 to December 2, 2020**

FORM

To register, please complete the online registration form for Infra 2020 speakers.

An official confirmation from the selection committee will be sent to you. by email in August.



**LA FORCE
DU PARTENARIAT**