AQTrQuebec Transportation

Association

TRANSPORTATION CONVENTION AND TRADE SHOW:
PROCHAIN ARRÊT!®

CALL FOR PAPERS AND CONTESTS

Transportation...

Vision Vitality

FROM 2017.04.03
TO 2017.04.05
PALAIS DES CONGRÈS
DE MONTRÉAL

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Call for papers and contests

A MESSAGE FROM THE PRESIDENT

of the 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT!®



Transportation involves a core sector of activities, each employing a significant number of individuals. It is therefore essential to have opportunities where industry professionals can stay informed on the latest industry news. In this spirit, it is truly a pleasure for me to be presiding over the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT! from April 3 to 5, 2017 in Montreal. The AQTr's Convention hosts more than 120 technical seminars from local as well as foreign speakers, in addition to sessions and luncheons with distinguished guests. The Transportation Trade Show has nearly 60 exhibitors and countless activities where participants will be able to mingle and network.

In 2017, we will be celebrating Montreal's 375th anniversary and this historical milestone will give us the opportunity to raise our hats to the transportation industry. From past to present, commerce has contributed enormously to the development of our beautiful port metropolis. It goes without saying that commerce also involves the transport of goods. In the past, and even today, maritime transport has always been at the heart of the transportation logistical chain, connecting the markets overseas with North American markets. But one port alone is not enough. So other modes of transportation joined forces with maritime transport, all with the same objective: to promote the prosperity of our cities across Quebec. In this sense, transportation brings vitality and a vision; it's a source of inspiration for those who helped shape the future of Quebec and the world.

Transportation... City, Vision, Vitality, the theme of this edition of the AQTr's Convention, aims to bring together a large number of industry professionals. At the 52nd Convention, we would like to invite you to not only share your knowledge and passion, but also to help others discover the latest in research, tendencies and innovations from leading-edge industry professionals.

Municipal issues, large projects, innovation, renewable energy, planning, economic development, mobility, infrastructures, safety, traffic control, Smart mobility-ITS, public transit and transport of goods are all good examples of topics that could be addressed in the seminars.

We hope that many of you will respond to our call for papers and would like to invite you to submit your seminar proposals. By contributing, you will be enriching the Convention program, while sharing fundamental knowledge with the large community that we are all a part of.

Having the 52nd Transportation Convention and Trade Show at the same time as Montreal's birthday celebrations in 2017 will allow us to all remember and celebrate the role the transportation industry has played in shaping our future over the course of history. I would like to thank you in advance for your invaluable contribution to the event program!

PRESENTATIONS REQUESTED

Contribute to the convention's technical portion by proposing a seminar related to the sub-themes listed below. Your proposals may be related to situations in different countries as well.

SUB-THEMES	EXAMPLES OF TOPICS
CHALLENGES FACED BY MUNICIPALITIES	Municipal infrastructures Strategies and actions to improve quality of life Planning for public transit development Sharing the road Social acceptability Access and flow
LARGE-SCALE PROJECTS	Major challenges Partnerships Financing and delivery modes Risk management Social and environmental impacts Social acceptability
INNOVATION	Innovation incentives and support Research and development Leading-edge technology
RENEWABLE ENERGY	Electric mobility and other new vehicle types Energy efficiency and innovation Energy transition Economic spin-offs
WINTER MAINTENANCE	Winter maintenance plans and programs New technology and equipment Safety and training
PLANNING	Strategic and political visions Transportation plans Planning tools Developing and redesigning transportation infrastructures Consultative approach
ECONOMIC DEVELOPMENT	Economic benefits Assessment measures and tools Financing Green economy Sharing economy
MOBILITY	New types of mobility Active and alternative transport Social, economic and environmental aspects Universal access Multimodality and intermodality Electric mobility

PRESENTATIONS REQUESTED

SUB-THEMES	EXAMPLES OF TOPICS
ROAD, MARINE, AND AIRPORT INFRASTRUCTURES	Technical and technological innovations Design, construction, maintenance, repairs, and materials Infrastructure management and policies Road or highway structure
RAIL TRANSPORTATION	Rail infrastructures Control, monitoring, maintenance Technical and technological innovations
TRANSPORTATION SAFETY	Physical safety facilities Sharing the road Human factors and commuter behavior New technologies Plans, policies, and programs Worksite safety
TRAFFIC MANAGEMENT	Managing traffic in work zones Managing traffic flow Tools for signage and signals Coordination between roadwork projects Mitigation measures Fluidity of traffic flow
SMART MOBILITY-ITS	Smart city Mobility as a service Big Data Integrated management of operating systems Traveller information broadcasting Technologies, research and development
PUBLIC TRANSIT	New modes of transportation Urban, intercity, and suburban transportation networks Public transit marketing Technological progresses Quality of services Pricing Governance
TRANSPORTING MERCHANDISE	Impacts of e-commerce Optimization and logistics Commercial corridors Merchandise supply chain Safe transport of dangerous goods Fluidity of traffic flow Multimodality and intermodality Technological advances, research and development

I Call for papers and contests

SUBMIT A PAPER

PRESENTATION PROPOSAL

All seminars submitted to the technical session selection committee must be presented in the "Seminar proposal" document, available at www. AQTr.com. The form must be filled out and submitted by October 7, 2016.

The form must be completely filled out for the application to be considered.

SELECTION CRITERIA

The technical session selection committee for the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![®] will evaluate seminar proposals according to the following criteria:

- → Relevance to the convention's theme and proposed sub-themes
- Topicality of the subject
- Novelty and originality of the presentation
- Content objectivity (avoid sales pitches)

THE SPEAKER'S COMMITMENT

- ⇒ Be available on Monday, April 3, Tuesday, April 4 and Wednesday, April 5, 2017
- → Provide the PowerPoint version of the seminar before the event
- Respect the length of time allotted for the seminar (25 minutes for the presentation, 5 minutes to answer any questions from audience members: 30 minutes in total).

DEADLINE TO SUBMIT AN ABSTRACT:

October 7, 2016

INFORMATION

Zineb Mabrouki 514-523-6444, ext. 325 zmabrouki@AQTr.com The AQTr invites you to propose a panel. These 60 minute sessions will give you the opportunity to discuss topics affecting the transportation community by engaging with the audience and other experts in the field.

SUBMITTING A PANEL PROPOSAL

All proposals must be submitted to the selection committee by October 7, 2016 using the "Themed-Session Proposal" form available at www.AQTr. com.

The online form must be filled out in its entirety for a proposal to be considered.

SELECTION CRITERIA

The panel selection committee for the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![©] will be evaluating the proposals based on the following criteria:

- → Relevance and connection to the Convention's theme or proposed sub-themes
- → Topicality of the subject
- → Importance and interest in the issue from professionals in the transportation industry
- → Relevance of the presenter and proposed panelists with regards to the session theme

COMMITMENT

The person submitting the proposal must make sure that the presenter and panelists accept to participate in the panel and that they are available on Monday, April 3, Tuesday, April 4 and Wednesday, April 5, 2017 before submitting their proposal.*

DEADLINE FOR SUBMITTING A PROPOSAL:

October 7, 2016

INFORMATION

Zineb Mabrouki 514-523-6444, ext. 325 zmabrouki@AQTr.com

*The person submitting the proposal does not have to be the presenter or one of the panelists.

DANS L'ŒIL DE L'AQTr CONTEST

The AQTr wants to promote innovation and visionary ideas!

Have you developed an innovative product or technology? Have you designed a visionary project that showcases future modes of transportation? Then this contest is for you!

APPLICATION GUIDELINES

Fill out the application form available at www.AQTr.com and send it by February 6, 2017.*

The outline and presentation of the project must be 500 words.

You may submit a maximum of two appendices with pictures (photos, graphs) with your application form. PowerPoint presentations will not be accepted.

Innovation Category

Applications submitted under the "Innovation" category should highlight an innovative product, technique or technology that will promote progress within the transportation industry. Innovations submitted must present a strong potential for commercialization.

Visionary Project Category

Applications submitted under the "Visionary project" category should promote a project that proposes a new vision of transportation or a new concept that will represent an important leap forward for the transportation industry. Visionary projects submitted must be potentially feasible.

ELIGIBILITY CRITERIA

- Visionary projects or innovations must be limited to the transportation industry
- → A project can only be submitted to one category

SELECTION CRITERIA

The jury, selected by the AQTr's Board of Directors, will determine the most original visionary project and innovation, those that have the best potential for commercialization and are the most feasible among the proposals received.

^{*} By submitting your application, you authorize the AQTr to use your name, logo and content of your application to promote its contest.

DANS L'ŒIL DE L'AQTr CONTEST

The winners will be chosen according to a twofold process, totalling 100 points.

Round 1 – Evaluating originality (50 %)

The jury will first evaluate applications on the originality of the innovation or visionary project according to the following criteria:

Relevance
(Is there a need for it? Does it meet the need?)
⊃ 25 points
Creativity
(Novelty, technological product or project that stands out)
⇒ 25 points

The two projects in each category with the highest number of points out of 50 will move on to the second round.

Round 2 – Evaluating the potential for commercialization and feasibility (50 %)

If your application has moved on to the second round, the jury believes your innovation or visionary project is among the most original!

You will then be invited to present your project or innovation in front of the jury and attendees during the AQTr's 52nd annual convention at the Transportation Trade Show: PROCHAIN ARRÊT![©]. You will be allotted 15 minutes for the presentation, followed by a Q&A session. You may do your presentation in English, if necessary.

Will you be able to convince the jury of the potential for commercialization of your innovation or the feasibility of your visionary project?

The jury will evaluate the presentations on their

commercialization potential (product / technology) or feasibility of the visionary project using the following criteria:

Presentation of the file	Feasibility
(Rigour, approach and quality of the presentation)	(Availability of necessary resources)
⊃ 15 points	⊃ 15 points
Expected benefits	Mobilization
(Return on invest- ment, economic and social benefits)	(Interest shown by stakeholders)
⊃ 15 points	⊃ 5 points

The candidate with the highest number of points out of 100 (total points for both rounds) in its category will be named the winner of the 2017 *Dans l'oeil de l'AQTr* contest.

ANNOUNCEMENT OF WINNERS

The winners will be announced at the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![©] during an awards ceremony.

PRIZE

The AQTr will choose one winner from the "Innovation" category and one winner from the "Visionary project" category.

DANS L'ŒIL DE L'AOTr CONTEST

DEADLINE TO SUBMIT A CANDIDACY:

February 6, 2017

INFORMATION

Laszlo Dankovics 514-523-6444, ext. 405 ldankovics@AQTr.com

2016 EDITION NOMINEES

Visionary Project Category

Nominees:

- ⊃ University of Nebraska-Lincoln, for their project "Implementation of the Conductive Concrete Deicing Technology"
- ⊃ Ubi Transports for their project "2Place: solution innovante de gestion de titre de transport à partir de technologies digitales, agiles et légères"
- → Technologies OPA inc. for their project "Outil de coordination des chantiers d'infrastructures urbaines et de gestion aux entraves à la circulation"
- ⊃ Réseau de transport de la Capitale for their project "Lebusgratuit.ca: une campagne innovante pour soutenir la croissance de l'achalandage"

Winner: Ubi Transports

I Call for papers and contests

THE VOICE OF OUR INDUSTRY'S FUTURE

POSTER SESSION

A poster session at the Transportation Trade Show: PROCHAIN ARRÊT![©] will be available to anyone who wants to present dissertations or other research projects.

PRESENTATION OF THE PROPOSAL

Fill out the application form available at www.AQTr.com and submit it by March 3, 2017, at the latest.

The selection committee will confirm your participation in March 2017.

SELECTION CRITERIA

The selection criteria are the following:

- → Relevance to the convention's theme and proposed sub-themes
- → Topicality of the subject
- Novelty and originality of the proposal

Priority will be given to applications that are received before the deadline, respect the selection criteria and include a completed "Poster Session" form.

THE STUDENT'S COMMITMENT

Be available Monday, April 3 and Tuesday, April 4, 2017.

DEADLINE TO SUBMIT A PROPOSAL

March 3, 2017

INFORMATION

Zineb Mabrouki 514-523-6444, ext. 325 zmabrouki@AQTr.com

LES MORDUS DU TRANSPORT CONTEST

Are you a student and a transport enthusiast? Are you an aspiring visionary? Then this contest is for you! It will allow you to propose innovative solutions to a given problem and show your talent to the industry and potential employers!

As the theme of the 52nd Transportation Convention and Trade Show: PROCHAINE ARRÊT![©] is *Transportation... City, Vision, Vitality*, the *Les mordus du transports* contest will also be on the same topic!

In 2017, Montreal will celebrate its 375th anniversary. The city was built and has been continually evolving due to the trade and transport industries. This is also the case with many other cities in the province. In this sense, transportation brings vitality and a vision; it's a source of inspiration for those who helped shape the future of Quebec and the world.

Now one has to wonder what their future contribution to urban development will be and what kinds of issues they will face.

HOW TO PARTICIPATE IN THE CONTEST:

1. FORM A TEAM

Your team must be composed of 2-5 people from the same educational institution.

2. SIGN UP FOR THE CONTEST

There's a limit of teams allowed to participate, so sign up fast!

3. CHOOSE A SUBJECT

Certain problems will be proposed by industry experts. Each team will have to choose a problem to resolve.

4. PRESENT YOUR WORK

You must do an oral presentation of your project at the 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT!®

I Call for papers and contests

LES MORDUS DU TRANSPORT CONTEST

APPLICATION GUIDELINES

Fill out the application form available at www.AQTr.com and submit it by March 3, 2017, at the latest.

Participate in the contest

Les mordus du transport

and you'll have a chance to win a cash prize!

ELIGIBILITY CRITERIA

Each candidate must be a full-time student in a field related to transportation.

DEADLINE FOR APPLICATIONS

March 3, 2017

SELECTION CRITERIA

Each team must present their project at the 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT!® and will have 15 minutes to do their oral presentation (PowerPoint recommended) before a jury of transportation experts.

INFORMATION

Laszlo Dankovics 514-523-6444, ext. 405 ldankovics@AQTr.com

ANNOUNCEMENT OF WINNERS

The winning team will be announced at an award ceremony held during AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT!®

PRIZE

A prize will be awarded to the winning team. The amount will be announced shortly.

THE WORLD ROAD ASSOCIATION (PIARC): MEETING NEEDS WITH CREATIVITY

OBJECTIVE

The contest aims to inspire young graduates and students enrolled in a Master's degree program to find solutions that will improve the efficiency and competitiveness of road networks. It also aims to increase their interest in the work carried out by the World Road Association (PIARC).

The dissertation may be completed individually or with a team and should put forward new ideas related to the challenges identified for the 2016-2019 period which are being analyzed by one or more technical committees or the PIARC research team, and should encourage different road transport professionals, and those from related industries, to adopt innovative solutions.

CONTEXT

The transportation industry evolves in relation to the needs of consumers and social concerns, but also in line with the reality of commuters and the economic environment. To meet these perpetual changes, actors within the industry must continuously invest and innovate. The world of transportation is currently undergoing a significant change. Therefore, innovative and mobilizing ideas are strongly encouraged.

DIRECTIVES DE MISE APPLICATION GUIDELINES

Fill out the application form available at www.AQTr.com and submit it by February 6, 2017, at the latest.

Dissertations (attached to the online form) must:

- ⇒ Be in .pdf format
- → Not exceed 15 pages, including photos, diagrams, charts, etc.
- ⇒ Be written in proper French
- → Include the following content in this order:Title page, one-page summary, text, bibliography
- ⇒ Be written single-spaced in Arial font 11 with 2.5 cm (1 inch) margins and page numbers on the right-hand side of the footer
- ⊃ Show a connection to one or several of the challenges identified by the PIARC technical committees or study groups (in the abstract as well as in the introduction to the text).

The file should be named in the following format: last name followed by the first name.

Example:

Caroline Tremblay = tremblay_caroline

The following documents should also be attached to the online application form:

- Most recent transcript (students or recent graduates) or diploma obtained (young graduates only)
- Document showing the candidate's age (e.g. health card or driver's licence)
- → Proof of Quebec residency

- ⇒ "Student" candidates must show proof that they are registered at an academic institution (most recent transcript)
- ⇒ "Young graduate" candidates must present their most recent transcript or diploma (not older than two years as of February 6, 2017)

ELIGIBILITY CRITERIA

- ⊃ Participants (young graduates or Master's Degree students) must be residents of Quebec, as per the Loi et du Règlement sur l'assurance-maladie du Québec and the Loi et du Règlement sur l'impôt du Québec, and be at most 35 years of age, as of January 1, 2016. They can register as an individual or as part of a team (two or more). They must have a strong interest for the road transportation industry and its connections to various activity sectors.
- For the 17th edition, participants will have to focus on one of the 50-some-odd issues established for the 2016-2019 cycle, which are also being analyzed by 17 technical committees and 4 research groups from the World Road Association (PIARC).
- ⊃ Participants will have to identify which issue(s) is the subject of their dissertation and is being studied by PIARC's technical committees by presenting at least one innovative solution to a challenge affecting a sector of the transportation industry: infrastructures, road safety, sustainable development, public transit, intermodality, etc.*

^{*} The topic presented does not have to be related to the student's dissertation that is required by his or her academic institution.

SELECTION CRITERIA

Dissertations will be evaluated according to following:

General balance of the report and its connection to the PIARC's work: The report must present the problem to the reader in a clear and concise way, place it into a larger context and discuss the pros and cons of each proposed solution.

The connection between these solutions and one or more of the issues presented by the PIARC should be clearly demonstrated.

[20%]

Pragmatism of proposed solutions: planning, managing and operating road transportation systems is a complex procedure and it is essential to search for the best methods to improve and bind solutions to their relative context. Even though the goal of a contest is to put forward innovative ideas, the proposed solutions must take into account the current reality and observable trends, whether anticipated or potential.

[20%]

How the solution can be applied in Quebec and abroad: dissertation authors must make sure their recommendations can be applied in Quebec. Furthermore, in line with the nature of the Quebec-PIARC Committee, they must make sure their solutions can be applied elsewhere in the world according to issues currently studied by one or more technical committees of the World Road Association (PIARC).

[20 %]

A multidisciplinary approach: candidates will have to take into account several aspects related to road transportation, including the socio-economic environment, environmental stakes and geographic, political and strategic considerations. Dissertations should present the author's point of view regarding the interaction between the road transportation industry and its environment.

[15%]

The novelty of the proposed solutions: one of this contest's objectives is to encourage the emergence of new ideas. Candidates must make sure that their presentation showcases this aspect.

[15 %]

Writing quality: The general presentation of the document (clarity, charts, photos, images, etc.) and the quality of writing will also be considered. All grammar, spelling and syntax rules must be followed.

[10%]

SELECTION COMMITTEE

A jury formed specifically for the occasion will be in charge of selecting the winning dissertation. The jury will take into account the quality of the analyses presented, the innovation of the proposed solutions and the general quality of the text.

The jury is composed of:

- The Quebec-PIARC technical coordinator
- A representative from the AQTr
- A representative from the Quebec-PIARC
- Committee
- A representative from the ministère des Transports, de la Mobilité durable et de l'Électrification des transports
- A representative from the private sector
- Two representatives from the academic sector

ANNOUNCEMENT OF WINNERS

The author of the winning dissertation will be notified of the jury's decision in March 2017.

PRIZE

The winner will receive a \$2,000 scholarship at the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![©] which will take place at the Palais des congrès de Montréal.

The winner will also be granted full free access to the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![©].

The winner will earn the title of young professional in the PIARC technical committee that is studying the issue presented in his or her dissertation. The winner will also be able to follow the committee's progress throughout the current work cycle.

A summary of the winner's dissertation will also be published on the AQTr's website. Each participant will be able to take part in a poster session. Contact us for more details.

2016 WINNER

Laurie-Anne Grégoire Master's student in civil engineering at Laval University

A \$2,000 scholarship was offered by Stantec for the dissertation entitled "Analyse des profils de chaussées pour caractériser l'effet du gel saisonnier".

DEADLINE TO SUBMIT A CANDIDACY:

February 6, 2017

INFORMATION

Laszlo Dankovics 514-523-6444, ext. 405 ldankovics@AQTr.com

AQTr'S SCHOLARSHIP PROGRAM

To support our industry's future, reward the efforts of students working towards their PhD, Master's, or Bachelor's Degree or any other college degree pertaining to the transportation industry or related sectors, and to facilitate their integration into the transportation industry.

APPLICATION GUIDELINES

Fill out the application form available at www.AQTr.com and submit it by February 6, 2017, at the latest.

Applications must:

- ⇒ Be in .pdf format
- ➤ Not exceed 10 pages, including photos, diagrams, charts, etc.
- ⇒ Be written in proper French or English
- ⇒ Begin with a title page that includes the following:
 - Candidate's last name, first name, full address, telephone number and email
 - Candidate's professor's last name, first name and telephone number
 - Name of the candidate's academic institution
 - Candidate's complete program name

The file should be named in the following format: last name followed by the first name.

Example:

Caroline Tremblay = tremblay_caroline

The following documents must be attached to the online application form:

- The candidate's most recent transcript
- Proof of Canadian citizenship or permanent residency
- Proof of Quebec residency

ELIGIBILITY CRITERIA

The candidate must meet the following requirements:

- ⇒ Be registered in a college program for civil engineering, transportation logistics, urban planning and technical development, etc. or be registered in a university program (as an undergraduate or graduate student) related to the transportation industry: civil engineering, urban planning, geography, economy, etc.
- The candidate must have obtained the following cumulative average for their current major:
 - 80 % or more for college studies
 - GPA between 3.3 and 4.3 for university studies
- The candidate must have successfully completed a term paper / research project / internship / dissertation on a subject related to the AQTr's technical sectors of interest: transport infrastructures, sustainable mobility, transportation safety, road signage, smart mobility and intelligent transportation systems, public transit, freight transport, winter maintenance, rail transportation or large-scale project management.

Call for papers and contests

AQTr'S SCHOLARSHIP PROGRAM

- ⇒ Be a Canadian citizen or permanent resident as per the 1976 Immigration Act
- ⇒ Be a Quebec resident as per the Loi et du Règlement sur l'assurance-maladie du Québec and the Loi et du Règlement sur l'impôt du Québec
- ⇒ Have lived in Quebec for at least 1 year

Applications must be from individuals. Group projects and work will not be accepted.

SELECTION CRITERIA

SPECIFIC CRITERIA FOR COLLEGE LEVEL CANDIDATES:

- → Project relevance
- Use of visual aids integrated into the text
- ➡ Elaboration of the topic (images, graphs, charts, etc.)
- → Author's motives for addressing the topic
- Remarks on the effects on the transportation industry
- → Originality of the project

SPECIFIC CRITERIA FOR UNDERGRADUATE, GRADUATE AND PHD CANDIDATES:

- ⇒ Relevance of the project
- Originality of the project
- ⇒ Benefits for the transportation industry
- > Feasibility of the project
- ⊃ Scale of the project's impact
- Quality of the product and/or results

ANNOUNCEMENT OF WINNERS

Scholarships will be awarded during the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![©] which will take place at the Palais des congrès de Montréal from April 3 to April 5, 2017.

Scholarship amounts offered are:

LEVEL	SCHOLARSHIP
 Masters and PhD 	\$2,000
 Undergraduate 	\$2,000
 College 	\$1,000

Winners will also receive a free entry to the AQTr's 52nd Transportation Convention and Trade Show: PROCHAIN ARRÊT![©].

Participants will be also able to participate in a poster session. Contact us for more details.

DEADLINE TO SUBMIT A CANDIDACY:

February 6, 2017

INFORMATION

Laszlo Dankovics 514-523-6444, ext. 405 ldankovics@AQTr.com www.AQTr.com