

CALL FOR ABSTRACTS



INTERNATIONAL CONFERENCE ON AUTOMATED PEOPLE MOVERS & AUTOMATED TRANSIT SYSTEMS

Toronto, Ontario, Canada | April 17-20, 2016

A Conference of the Transportation & Development Institute (T&DI) of ASCE

Innovation in a Rapidly Urbanizing World



The Fairmont Royal York, Toronto
www.apmconference.org



On behalf of the Steering Committee, we invite you to participate in the **15th International Conference on Automated People Movers & Automated Transit Systems** being held in Toronto, Canada, on April 17-20, 2016.

Come share your opinion and hear what planners, inventors, designers, suppliers, builders, government officials, owners, and operators of automated transit of all forms have to say as all these technologies are discussed in Toronto. Network with your fellow attendees at meals and breaks, and talk to exhibitors about what equipment and services they have to offer. Take advantage of the ASCE APM conference's international collegial community to share experiences, reveal innovations, look to the future, and discuss lessons learned and the latest developments in automated transit of all forms.

Attending the technical program will make you eligible for professional development hours (PDHs) that can be used to show your commitment to maintaining your competency to licensing boards. Have fun on a technical tour of the LINK Interterminal shuttle and the revolutionary accelerating powerwalk at Toronto Pearson International Airport.

Like the APM and ATS, this conference has been around the world: Yokohama (1991), Las Vegas (1997), Copenhagen (1999), Singapore (2003), Orlando, Florida (2005), Paris (2011), and most recently, Phoenix (2013). And now we look forward to welcoming you from around the world on April 17-20, 2016 for APM-ATS 2016 in Toronto, Ontario, Canada!



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Invitation & Call for Abstracts

The Organizing Committee of the **15th International Conference on Automated People Movers & Automated Transit Systems** is accepting proposals for complete sessions and abstracts for individual presentations and papers to be presented at the conference. Final papers are optional for accepted abstracts; those submitted will be published in the Conference Proceedings upon final approval.

For full details on submitting an abstract, visit the conference website at **www.apmconference.org/call-for-abstracts**.

The deadline for all submissions is **May 6, 2015**.



Submission Options

There are two submission options on the Paper Management System. Please review the options below as it is important that you select the correct option:

1. Individual Abstract

Individual abstracts can be submitted under one of the following categories:

- a.) For PowerPoint presentation at the conference, with full paper in conference proceedings
- b.) For PowerPoint presentation at the conference only
- c.) For poster presentation at the conference, and full paper in conference proceedings
- d.) For poster presentation at the conference only

The individual abstract could be submitted under a track or topic, or could be submitted under a session created through a session proposal (item 2 below).

2. Session Proposal

Session proposal must include a title and description of the proposed session. Once created, the system will give authors of new individual abstracts the option to submit their abstract under that session. Submitter of a session proposal may approach others and invite them to submit an individual abstract under the proposed session (item 1 above). Typical technical sessions include a maximum of four presentations.

Conference Topics

1. **History.** Past experience pertaining to APMs and ATS, with lessons learned applicable to current practice and future trends.
2. **Airports.** Assessment of newly implemented projects and those under planning, design, and implementation. Both on-airport and airport access applications may be addressed.
3. **Major Activity Centers and Urban Transit Projects.** Applications related to urban transit in general, college campuses, commercial and entertainment zones, sports complexes, transit oriented development, the city of the future, and other focused or unique urban projects.
4. **Automation Related to Upgrading Train Control Systems.** Applications related to the automation of existing non-automated transit systems. Concepts, plans, designs, and projects related to both APMs and other transit systems that feature various levels of automation will be welcomed.
5. **Personal Rapid Transit (PRT).** The status of on-going and planned PRT projects, analysis and design developments, and future applications.
6. **New and Emerging Technologies.** Recent developments and a radical look into the future of autonomous road vehicles, the use of the internet, and other applications.
7. **System Improvements.** Renovating, improving, and replacing older systems, advances in train controls and communications, and applications of new or emerging technologies.
8. **Fixed Facilities.** The latest developments and future concepts for guideways, stations, maintenance and storage buildings, and other related facilities.
9. **Policies.** Integration of APMs, PRT, and autonomous vehicles with other forms of transportation; their attributes from the perspectives of sustainability and energy, urban planning, smart growth, livable communities, and involvement by government agencies.
10. **Project Delivery.** Current and future trends in funding, financing, procurement, and asset management.
11. **Safety, Security, and Standards.** The latest thinking, developments, and applications pertaining to safe and secure design and operations, hazard analysis and mitigation, and ASCE APM Standards.
12. **Operation & Maintenance (O&M) of APMs.**



Important Dates

Abstracts Due:

May 6, 2015

Author Notification

June 3, 2015

Draft Papers Due:

August 12, 2015

Registration & Housing Opens:

November 2, 2015

Final Papers Due:

November 18, 2015



Exhibits & Sponsorship Opportunities

Highlight your company's commitment and unique contribution to APM and ATS before the industry's premier leaders, planners and practitioners by becoming a conference sponsor or exhibiting at the event. For further information, contact **Drew Caracciolo** at dcaracciolo@asce.org.

Automated People Movers & Automated Transit Systems – Innovation in a Rapidly Urbanizing World

More than half the world's population lives in cities. In less than forty years it will be two-thirds as urbanization continues at a rapid pace. Airports are no longer in remote locations. They have become part of the urbanized landscape, with development occurring right up to the boundaries. World-wide, airline passengers are expected to rise 31% by 2017 with even more growth in future decades. For over half a century, Automated People Movers (APM) & Automated Transit Systems (ATS) have played an important role in transportation in cities and at airports. The coming decades will offer even more opportunities and challenges as colleagues work together to improve the quality of life around the globe.

Thus, it is appropriate to explore the role of innovative applications of APM and ATS. How will these systems evolve? And how might Personal Rapid Transit (PRT), autonomous road vehicles, and other new technologies contribute to the efficient movement of people? How might these systems work together synergistically with current and future physical infrastructure? The future is open to our collective imagination.

The conference will be held in Toronto, the largest city in Canada and the country's commercial capital, with a regional population of over six million. The Toronto Transit Commission operates the third largest mass transit system in North America with a wide range of modes including the Scarborough APM dating to 1985. Daily ridership is approaching three million trips. Toronto also is the location of Highway 401, the most highly traveled road in North America. Toronto Pearson International Airport is the largest and busiest in Canada. The LINK Train APM opened in 2006. The Union Pearson Express (UP Express) will link Union Station and Pearson Airport. This direct rail system will open just before the conference. Toronto will be an exciting place for transportation



About T&DI



The Transportation & Development Institute (T&DI) is a specialty membership organization focused on transportation and development professionals and the transportation and development industry. It is one of the American Society of Civil Engineer's eight specialty Institutes.

T&DI combines the talents and perspectives of its members to promote professional excellence in all aspects of transportation engineering, urban planning and development. We strive to enhance their career development through:

- Conferences
- Journals and Practice-Oriented Publications
- Continuing Education Programs
- Networking and Coalition-Building
- Committees
- Leadership on Emerging Issues



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Join Us in Toronto

The International Conference on Automated People Movers & Automated Transit Systems is going to Toronto, Ontario in 2016! Meet your colleagues in this exciting cosmopolitan city that exhibits true Canada style as you savour the sights and sounds of the architecture, restaurants, cafés, markets and premiere shopping. This intimate downtown center is host to many cultural arts, music festivals and major league sporting events. Come and enjoy this Canadian gem! Travel to and from Canada from the U.S. will require a valid passport. ASCE encourages you to process all required Visa documents at least 6 months in advance of the Conference date. The conference hotel is **The Fairmont Royal York.**