On behalf of the Transportation and Development Institute (T&DI) of the American Society of Civil Engineers (ASCE) and the APM-ATS Steering Committee, we would like to thank you for attending the 16th International Conference on Automated People Movers & Automated Transit Systems in Tampa, Florida.

**The theme for the conference is “Moving to the Future – Building on the Past.”**

Tampa International Airport is a clear example of our theme, “Moving to the Future – Building on the Past.” During the 1960s an innovative terminal design was proposed for the Tampa International Airport and a key component was the need for a reliable transit system that would shuttle passengers between satellite terminals and a central terminal building. When the system went into service in 1971, it was the first airport Automated People Mover and it marked the start of numerous applications and development of these driverless transit systems around the world. A second driverless monorail system was installed in the airport garage and the vehicles on the original shuttles were replaced in the 1990s. A new, third Automated People Mover, the SkyConnect, opened in February 2018 linking the terminal area with a consolidated rental car complex. This will give Tampa International Airport the distinction of having the first airport APM and the newest airport APM. We hope you will join us in experiencing the past while moving to the future on the technical tour of the original airside APM and the new landside APM, SkyConnect, at Tampa International Airport.

Share your opinion and hear what planners, inventors, engineers, APM and transit system operators, designers, suppliers, builders, government officials, owners, and operators of automated transit of all forms have to say as all these technologies are discussed in Tampa. Network with your fellow attendees and talk to exhibitors about the equipment and services they offer. Take advantage of the ASCE-T&DI APM-ATS conference’s international collegial community to share experiences, reveal innovations, look to the future, and discuss 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.

We welcome you to APM-ATS 2018!

**Craig Elliott, A.M.ASCE**
Conference Chair
Schedule-At-A-Glance

(Schedule to Change)

**Sunday, April 29**
12:00 – 6:30 p.m.  
Registration

1:00 – 5:00 p.m.  
Exhibitor Move-In

4:00 – 5:30 p.m.  
Pre-Conference Operations & Maintenance Managers’ Workshop

6:00 – 7:30 p.m.  
Exhibit Hall Open

6:00 – 7:30 p.m.  
Ice Breaker Reception in Exhibit Hall, 
Sponsored by Tampa International Airport

**Monday, April 30**
7:00 a.m. – 5:00 p.m.  
Registration

7:30 a.m. – 9:15 a.m.  
Light Continental Breakfast in Exhibit Hall

7:30 a.m. – 4:00 p.m.  
Exhibit Hall Open

8:15 – 9:30 a.m.  
Opening Plenary Session

9:30 – 10:30 a.m.  
Plenary Session

10:30 – 11:00 a.m.  
Networking Break in Exhibit Hall

11:00 a.m. – 12:00 p.m.  
Implementation Panel - Balancing the Tensions - Legal, Technical, and Financial

12:00 – 1:30 p.m.  
Lunch in Exhibit Hall

1:30 – 3:00 p.m.  
Concurrent Technical Sessions 1

3:00 – 3:30 p.m.  
Networking Break in Exhibit Hall, 
Sponsored by Gresham, Smith and Partners

3:30 – 5:00 p.m.  
Concurrent Technical Sessions 2

6:30 – 9:30 p.m.  
Evening Reception and Dinner aboard the Yacht StarShip, Sponsored by Lea+Elliot

**Tuesday, May 1**
7:00 a.m. – 2:00 p.m.  
Registration

7:30 – 8:30 a.m.  
Light Continental Breakfast in Exhibit Hall

7:30 a.m. – 1:00 p.m.  
Exhibit Hall Open

8:30 – 10:00 a.m.  
Concurrent Technical Sessions 3

10:00 – 10:30 a.m.  
Networking Break in Exhibit Hall, 
Sponsored by Bombardier

10:30 a.m. – 12:00 p.m.  
Concurrent Technical Sessions 4

12:00 – 1:00 p.m.  
Lunch in Exhibit Hall

2:00 – 5:00 p.m.  
Technical Tour, 
Sponsored by Tampa International Airport

1:00 – 4:00 p.m.  
Exhibitor Move-Out

**Wednesday, May 2**
8:00 a.m. – 12:00 p.m.  
Registration

8:00 – 8:30 a.m.  
Light Continental Breakfast

8:30 – 10:00 a.m.  
Concurrent Technical Sessions 5

10:00 – 10:30 a.m.  
Networking Break

10:30 a.m. – 12:00 p.m.  
Concurrent Technical Sessions 6

12:00 – 12:30 p.m.  
Closing Plenary Session

2:00 – 5:00 p.m.  
APM Standards Committee Meeting

**Thursday, May 3**
8:00 a.m. – 5:00 p.m.  
APM Standards Committee Meeting
**SUNDAY | APRIL 29**

**Pre-Conference Operations & Maintenance Managers’ Workshop**
4:00 – 5:30 p.m., Palma Ceia I & II

The Pre-Conference Operations & Maintenance Manager’s Workshop provides a peer-to-peer forum to discuss some of the complex operational challenges related to managing APM systems. This forum provides an opportunity to share lessons learned and identify best practices. Suggested topics include initial system startup, system expansion and operational impact mitigation, contingency plans for service interruptions, and contract vs in-house O&M; benchmarking and networking, open forum Q&A.

**Moderator:** Al Illustrato, Executive Vice President Facilities and Administration, Tampa International Airport

In his position with Tampa International Airport, Illustrato is responsible for planning and development, maintenance, human resources, risk management and administration. He oversees the largest division at the airport, which includes a staff that is managing the billion dollar master plan project. During his 28 years at the airport he has been involved with numerous projects, which include airside terminals, parking garages, runways, and baggage handling systems. He has also provided key leadership support during several major organizational transitions. Prior to joining the airport, Illustrato worked for the American Bureau of Shipping and the Long Island Rail Road. He is a graduate of SUNY Maritime College and is originally from Bronx, NY.

**Ice Breaker Welcome Reception in Exhibit Hall**
6:00 – 7:30 p.m., Bayshore I-III

This is a great forum to network, mingle with friends and colleagues, and visit our exciting exhibits. There is no better way to kick off the conference than by attending this reception. This event offers spectacular food & drinks and your first two drink tickets are on us!

*Included in Full Registration Packages.

**Additional Ticket Onsite: $45**

**Opening Plenary Session**
8:15 – 9:30 a.m., Bayshore V-VII

**Welcoming Remarks**

Craig Elliott, Chair, Conference Steering Committee, Lea+Elliott, Inc.
Brian McKeehan, Past President, T&D1
Robin Kemper, President-Elect, ASCE

**Opening Remarks**

Joe Lopano, Chief Executive Officer, Tampa International Airport

**General Plenary Session (1 PDH)**
9:30 – 10:30 a.m., Bayshore V-VII

**Speakers**

Robert L. Bertini, Executive Director, Center for Urban Transportation Research, University of South Florida

Jeffrey Seward, Interim CEO, Hillsborough Area Regional Transit (HART)

**Networking Coffee Break in Exhibit Hall**
10:30 – 11:00 a.m., Bayshore I-III

**Implementation Panel: Balancing the Tensions – Legal, Technical and Financial (1 PDH)**
11:00 a.m. - 12:00 p.m., Bayshore V-VII

Panel members will explore the legal, technical, and financial challenges of a project regardless of the selected delivery approach. The traditional, Design-Build-Operate-Maintain, P3, and other approaches will be discussed.

**Moderator:** Sanjeev Shah, Lea+Elliott, Inc.

**Lunch in Exhibit Hall**
12:00 – 1:30 p.m., Bayshore I-III

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**MONDAY | APRIL 30**

**Registration**
7:00 a.m. – 5:00 p.m., Galleria B

**Light Continental Breakfast in Exhibit Hall**
7:30 – 8:15 a.m., Bayshore I-III
Concurrent Technical Sessions 1 (1.5 PDHs)
1:30 – 3:00 p.m.

Networking Break in Exhibit Hall
3:00 – 3:30 p.m., Bayshore I-III

Sponsored by GRESHAM SMITH AND PARTNERS

Concurrent Technical Sessions 2 (1.5 PDHs)
3:30 – 5:00 p.m.

Evening Reception and Dinner
6:30 – 9:30 p.m.
Reception and Dinner hosted aboard the Yacht StarShip.

Included in Full Registration Packages.
Please see Special Events page for more information

Sponsored by LEA ELLIOTT

TUESDAY | MAY 1

Registration
7:00 a.m. – 2:00 p.m., Galleria B

Light Continental Breakfast in Exhibit Hall
7:30 – 8:30 a.m., Bayshore I-III

Concurrent Technical Sessions 3 (1.5 PDHs)
8:30 – 10:00 a.m.

Networking Coffee Break in Exhibit Hall
10:00 – 10:30 a.m., Bayshore I-III

Sponsored by BOMBARDIER

Concurrent Technical Sessions 4 (1.5 PDHs)
10:30 a.m. – 12:00 p.m.

Lunch in Exhibit Hall
12:00 – 1:00 p.m.

Technical Tour: Tampa International Airport APMs
(2 PDHs)
2:00 p.m. – 5:00 p.m.

Fees: $25 Member/$35 Non-Member

Sponsored by Tampa International Airport

WEDNESDAY | MAY 2

Registration
8:00 a.m. – 12:00 p.m., Galleria B

Light Continental Breakfast
8:00 – 8:30 a.m., Galleria B

Concurrent Technical Sessions 5 (1.5 PDHs)
8:30 – 10:00 a.m.

Networking Break
10:00 – 10:30 a.m., Galleria B

Concurrent Technical Sessions 6 (1.5 PDHs)
10:30 a.m. – 12:00 p.m.

Closing Plenary Session
12:00 – 12:30 p.m., Bayshore V-VII

Closing Remarks

THURSDAY | MAY 3

APM Standards Committee Meeting
2:00 – 5:00 p.m., Palma Ceia I & II

The APM Standards Committee

The APM Standards Committee is an operating unit within the Transportation and Development Institute (T&DI) of the American Society of Civil Engineers (ASCE). ASCE is an American National Standards Institute (ANSI) accredited Standards Development Organization (SDO).

The purpose of the Automated People Movers Standards Committee is to develop and update standards for Automated People Movers. These standards establish the minimum set of requirements necessary to achieve an acceptable level of safety and performance for an APM system.

The APM Standards Committee developed and maintains the standards following a consensus process and rules administered by the ASCE Codes and Standards Committee (CSC) in conformance with ANSI rules for standards. The consensus process requires balloting by a balanced committee of individuals representing APM consumers, producers, general interest, and regulators.

The committee is led by APM Standard Committee Chair Todd Snyder. For more information about APM Standards visit our website at www.apmstandards.org.

The APM Standards Committee will meet immediately following the conference on Wednesday, May 2 from 2:00 to 5:00 p.m. and all-day Thursday, May 3 from 8:00 a.m. to 5:00 p.m. The agenda will focus on reaffirmation of the language within the standard and discussion of current issues that face the APM industry. All conference attendees are welcome to attend.
Sunday, April 29

12:00 – 6:30 p.m.  Registration, Galleria B

4:00 – 5:30 p.m.  Pre-Conference Operations & Maintenance Manager’s Workshop, Palma Ceia I & II
Moderator: Al Iliarto, Executive Vice President, Facilities and Administration, Tampa International Airport

6:00 – 7:30 p.m.  Ice Breaker Reception in Exhibit Hall, Sponsored by Tampa International Airport

Monday, April 30

7:00 a.m. – 5:00 p.m.  Registration, Galleria B

7:30 – 8:15 a.m.  Light Continental Breakfast in Exhibit Hall

8:15 – 9:30 a.m.  Opening Plenary Session, Bayshore Ballrooms V & VII
Welcome Address: Craig Elliott, Chair, Conference Steering Committee; Brian McKeehan, T&D Past President; Robin Kemper, ASCE President-Elect; Special Guest: Dick Greco, Former Mayor of Tampa;
Opening Remarks: Joseph Lapana, CEO, Tampa International Airport

9:30 – 10:30 a.m.  General Plenary Session, Bayshore Ballrooms V & VII
Moderator: Brian McKeehan, Gresham, Smith and Partners
Robert Bertini, Ph.D., P.E., Executive Director, Center for Urban Transportation Research (CUTR), University of South Florida
Jeffrey Seward, Interim CEO, Hillsborough Area Regional Transit (HART)

10:30 – 11:00 a.m.  Networking Break in Exhibit Hall

11:00 a.m. – 12:00 p.m.  Implementation Panel: Balancing the Tensions – Legal, Technical and Financial
Bayshore Ballrooms V & VII
Moderator: Sanjeev Shah, Lea+Elliot, Inc.
Panelists: Stan Thornton, Orlando International Airport; Al Iliarto, Tampa International Airport;
Robert Alfert, Broad and Cassell
Panel members will explore the legal, technical, and financial challenges of a project regardless of the selected delivery approach. The traditional, Design-Build-Operate-Maintain, P3, and other approaches will be discussed.

12:00 – 1:30 p.m.  Lunch in Exhibit Hall

1:30 – 3:00 p.m.  Concurrent Technical Sessions 1

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<tr>
<td>Session 1A: Airports I</td>
<td>Session 1B: History</td>
<td>Session 1C: Urban Systems I</td>
<td>Session 1D: Planning and Policy I</td>
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<tr>
<td>Tampa International Airport’s New APM Systems, Brian Rumble, Tampa International Airport</td>
<td>Florida: The World’s Showpiece for Automated People Movers (An Update), Murthy V.A. Bondada, EPIC Engineering and Consulting Group</td>
<td>*Light Rail, Group Rapid Transit, Personal Rapid Transit Comparison, Peter Muller, PRT Consulting, Inc.; Ingmar Andreason, Logistik Centrum AB</td>
<td>Expanding Capacity Beyond Original Planning Horizon Limits, Smriti Bhattacharjee, Lea+Elliot, Inc.</td>
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<tr>
<td>Delivering the SkyConnect, Guadalupe G. Murillo, Jr., Lea+Elliot, Inc.; Brian Rumble, Tampa International Airport</td>
<td>*History of the Tampa Harbour Island People Mover, William J. Sproule, Michigan Technological University; Lawrence Smith, T&amp;D Standards Committee</td>
<td>Siemens Mobility – APM Expertise and Lessons Learned at Ongoing Rennes B Project, Bertrand Picard and Said Zariouhi, Siemens Mobility</td>
<td>Viability of APMs for High Capacity Integrated Large Networks - Industry Wide Standardization to Reduce Owner’s Risk, Smriti Bhattacharjee and Sanjeev Shah, Lea+Elliot, Inc.</td>
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3:00 – 3:30 p.m.  Networking Break in Exhibit Hall, Sponsored by Gresham, Smith and Partners

* Indicates paper is included in Conference Proceedings
### Monday, April 30 (continued)

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<td><strong>Session 2A: Airports II</strong></td>
<td><strong>Session 2B: Major Activity Centers</strong></td>
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<tr>
<td>SkyConnect Design Criteria, Sambit Bhattacharjee, Lea+Elliott, Inc.</td>
<td>Innovative Solutions for an At-Grade Tram System in Maui, Lee Larson, Schwager Davis, Inc.; Dean C. Hurst, Hurst Engineering and Inspection</td>
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<tr>
<td>Station Design – Moving Passengers to and from Platforms, Grant Clifford, Gresham, Smith and Partners</td>
<td>Evaluation of an Automated People Mover in Downtown Indianapolis, Abdulrahman Noafar, Sikai Chen, Tariq Usman Saheed, and Samuel Labi, Purdue University</td>
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<tr>
<td>Up in the Air – Structural Challenges and Solutions, Richard Temple, Walter P. Moore</td>
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6:30 – 9:30 p.m. | **Evening Aboard the Yacht StarShip, Sponsored by Lea+Elliott** |

### Tuesday, May 1

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<th>7:00 a.m. – 2:00 p.m.</th>
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<td>7:30 – 8:30 a.m.</td>
<td><strong>Light Continental Breakfast in Exhibit Hall</strong></td>
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<td>8:30 – 10:00 a.m.</td>
<td>Concurrent Technical Sessions 3</td>
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<td><strong>Track A, Bayshore V</strong></td>
<td><strong>Track B, Bayshore VI</strong></td>
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<tr>
<td><strong>Session 3A: Airports III</strong></td>
<td><strong>Session 3B: Automated Mobility Districts</strong></td>
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<tr>
<td>Expansion and Modernization of the Airport Transit System at Chicago O’Hare International Airport, Frank Grimaldi, Jr., Chicago Department of Aviation; Michael R. Carr, AECOM; Christopher M. Gamba, Lea+Elliott, Inc.</td>
<td>Comprehensive Modeling Architecture to Inter-Intra Mobility and Energy Impacts of University Automated Mobility Districts, Stanley Young, Yuchi Chen, Venu Gannakpati, Lei Zhu, Joshua Sperling, and Andrew Meintz, National Renewable Energy Laboratory</td>
</tr>
<tr>
<td>PHX Sky Train – A Critical Upgrade to Ground Transportation at PHX, Darryl Jaquess, Lea+Elliott, Inc.; Anne Kurtenbach, City of Phoenix Aviation</td>
<td>Houston’s University District Automated Vehicle Transit Circulator System, James S. Lott, Texas Southern University</td>
</tr>
<tr>
<td>PHX Sky Train Stage 2 – Planning on APM Extension to Support Adjacent Development, Improve Airport Operations and Increase Landside Capacity, Mark Pilwallis, Gannett Fleming</td>
<td>The Ultimate Urban Circulator Program (U2C), Brad Thoburn, Jacksonville Transportation Authority</td>
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<td>Expansion for the Miami MIA Mover, Darin Friedmann, Mitsubishi Heavy Industries America, Inc.</td>
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10:00 – 10:30 a.m. | **Networking Break in Exhibit Hall, Sponsored by Bombardier**

* Indicates paper is included in Conference Proceedings
### Tuesday, May 1

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<td>10:30 – 12:00 p.m.</td>
<td><strong>Track A, Bayshore V</strong> Session 4A: Airports IV Moderator: Guadalupe Murillo, Lea+Elliott, Inc. <strong>Session 4B: Automated Mobility Districts PANEL Moderator: Stan Young, National Renewable Energy Laboratory</strong></td>
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<td><strong>Track B, Bayshore VI</strong> A panel of representatives of city/governmental entities will discuss the application of fully automated roadway vehicle transit in urban districts and major activity centers. Panelists: Kimberly J. Williams, Houston METRO; Brad Thoburn, Jacksonville Transportation Authority; Robert Lohmann, 2gether; J. Sam Lott, Texas Southern University, Center for Transportation Training and Research; Peter Muller, Advanced Transit Association</td>
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| Lunch in Exhibit Hall |
| 12:00 – 1:00 p.m. |
| Technical Tour: Tampa International Airport | See Tour Information on page 11 for details |

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<th>Time</th>
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<tr>
<td>2:00 – 5:00 p.m.</td>
<td><strong>Track A, Bayshore V</strong> Upgrading Critical APM Subsystems at the World’s Busiest Airport, David Ewing, Lea+Elliott, Inc.; Kenneth Williams, Hartsfield Jackson Atlanta International Airport <strong>Replacement of Existing Must-Ride Shuttle in a Must-Ride Environment at Orlando International Airport, Gregory W. Love, Lea+Elliott, Inc.</strong> <strong>Orlando International Airport APM Replacements and New Link</strong>, Dorin Friedman, Mitsubishi Heavy Industries America, Inc.</td>
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<td></td>
<td><strong>Track C, Bayshore VII</strong> Lessons Learned from the City of Las Vegas’s Driverless Shuttle Pilot, Joanna Wodsworth, City of Las Vegas LYNX Autonomous Vehicle Mobility Initiative, Doug Jamison, LYNX The Unintended Consequences of Automation on the Public Transportation Industry, Steve Polzin, Center for Urban Transportation Research Florida’s Babcock Ranch: A Living Lab for Automation 2.0, Andy Chatham, Transdev</td>
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* Indicates paper is included in the Conference Proceedings
Wednesday, May 2 (continued)

10:00 – 10:30 a.m.  Networking Break, Galleria B
10:30 – 12:00 p.m.  Concurrent Technical Sessions 6

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| **Session 6A: Airports VI**  
Moderator: Huy Huynh, Lea+Elliott, Inc.  
Asian Airport APM s – An Active Market, Iris Yuan, Lea+Elliott, Inc.; Overview of Singapore Changi Airport Terminal 5 APM Planning, Matthew Sturgell, Lea+Elliott, Inc.; Kenneth Wilson, Singapore Changi International Airport  
Changi International Airport, the Jewel, and the APM, Atsuhiro Fukui, Mitsubishi Heavy Industries America, Inc.  
HKIA Three Runway System APM, Alice Chan and Carol Lau, Ove Arup & Partners HK Limited | **Session 6B: New and Emerging Technology II**  
Moderator: Ingmar Andreasson, Logistik Centrum AB  
A Next Generation Urban Maglev System – Benefits of Product Lifecycle Management Systems as a Basis for Design and Production Processes, Tim Proeger, Klaus Roeker, Bert Zampowitz, and Stefan Böege, Max Böege Group  
System for People and Cargo, Karl W. Guenther and Nancy A. Guenther, SkyTrain Corporation  
Transit X: Solar-Powered, Featherweight, Personal Mass Transit Network, Mike Stanley, Transit X  
Super AGT: Coming Soon to a City Near You, Michael Ang, Mitsubishi Heavy Industries America, Inc. | **Session 6C: APM Standard Committee Update - What’s New in APM Standards?**  
Moderator: Lawrence Smith, APM Standards Committee  
A brief overview of the history, composition, and operation of the APM Standards Committee – How to participate in future re-affirmation of ASCE 21-13 standard.  
Panelists: Patrick Casagranda, DCC; Peter Muller, Chair ATRA; Peter DelSonaridis, SBD; Ted Snyder and Lupe Morilla, Chair & Vice Chair APM Standards Committee  
Interpretation of Standards  
The recent issue discovered during the BART to Oakland Airport concerning the structural interpretation of ASCE 21-13 and the DCC technology. A classic example of the challenge of re-affirming a standard and recognizing new technology.  
Brick Wall Stop  
New proposed changes in ASCE 21-13 that address the BWS and other issues related to PRT systems.  
Developing International Standards  
New IEC Standard in development (i.e. prEN-17168 for platform doors): Can we harmonize with ASCE 21-13? | **Session 6D: Engineering III**  
Moderator: Chris Gamba, Lea+Elliott, Inc.  
The Pitfalls of Mitigating Safety Hazards with Procedures, Brian Yeschenko and Dennis Hinsh, Lea+Elliott, Inc.  
*Implementing an Integral Product Lifecycle Management System in Sheremetyevo International Airport, Johannes Winter and Ignacio Ssoma, Doppelmayr Cable Car GmbH & Co. KG  
New Energy Concept for Rope Propelled APM Systems, Patrick Casagranda, Doppelmayr Cable Car GmbH & Co. KG |

12:00 – 12:30 p.m.  Closing Plenary, Bayshore Ballrooms V - VII

* Indicates paper is included in the Conference Proceedings

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**General Information**

**Proceedings**

Conference Proceedings are available online to all full registrants. Please see the postcard in your registration package to access the Conference Proceedings.

**Program Changes**

ASCE reserves the right to cancel programs and/or sessions. In the unlikely event of a cancellation, all registrants will be notified and will receive a full refund, if applicable. Programs and sessions are subject to change and ASCE reserves the right to substitute a program, session, and/or speaker of equal caliber to fulfill educational requirements.

**Recording of Sessions**

Video or audio recording of any educational session is strictly prohibited without prior written permission from both ASCE and the session presenter(s).

**Professional Development Hours (PDHs)**

You may earn PDHs, which are nationally recognized units of record, by attending the APMWS Conference sessions and workshop. Please note there are differences from state to state in continuing education requirements for professional engineering licensure. ASCE follows NCEES guidelines on continuing proficiency competency. Because continuing education requirements for P.E. license renewal vary from state to state, ASCE strongly recommends that individuals regularly check with their state requirements that affect P.E. licensure and the ability to renew licensure. For details on your state’s requirements, please go to: [www.ncees.org/Licensing_boards.php](http://www.ncees.org/Licensing_boards.php)
Yacht StarShip Reception and Dinner Cruise

Monday, April 30, 6:30 – 9:30 p.m.

Set sail with fellow APM-ATS 2018 attendees!

Hosted by LEA ELLIOTT

Included in Full Registration Packages.

We will be walking* from the Hilton Hotel to the Yacht StarShip at the Sail Pavilion. It is an easy and beautiful 0.5 – 0.7 mile walk, which will take approximately 10 – 13 minutes door-to-door. Please arrive at the Yacht StarShip dock by 6:30 p.m. We will set sail at 7:00 p.m. sharp! The Yacht StarShip will return to the dock around 9:30 p.m. We will then walk back to the hotel.

The evening will include a reception, dinner, and live music. Bring your conference badge and guest ticket(s) with you. These will be required to embark on the Yacht StarShip.

Walking Directions

Tampa Riverwalk Route (0.7 mile; approximately 13 minutes)

From the Hilton Tampa entrance:
• Head south (left) on N Tampa St. toward E Washington St.
• Head west (right) on E Washington St toward N Ashley Dr.
• Make a slight left onto N Ashley Dr. and walk through the MacDill Park on the Riverwalk to the Riverwalk path
• Turn left and head south, staying on the Tampa Riverwalk
• Continue on the Tampa Riverwalk approximately 0.5 mile to the Sail Pavilion

Franklin St. Route (0.5 mile; approximately 10 minutes)

From the Hilton Tampa entrance:
• Head south (left) on N Tampa St. toward E Washington St.
• Turn east (left) onto E Whiting St.
• Turn south (right) onto S Franklin St.
• Continue on S Franklin St to the Sail Pavilion

The Yacht StarShip

At The Sail Pavilion
333 S Franklin St, Tampa, FL 33602

*If you do not wish to walk this distance, it is an approximate 2-minute Uber or taxi ride (less than $10 each way).
The Tampa International Airport Technical Tour
(2 PDHs)

Tuesday, May 1, 2:00 – 5:00 p.m.

Fee: $25 Member/$35 Non-Member

Tampa International Airport was automated before it was cool.

Tampa International Airport led the development of the world’s first Automated People Mover with the Bombardier system (then Westinghouse) that is still operated today. Since then, APM systems have become a ubiquitous presence at airports worldwide. Tampa International Airport remains committed to this legacy with SkyConnect – a new 1.4-mile system. SkyConnect will rapidly take passengers between the Main Terminal, Economy Garage, and new state-of-the-art rental car center.

The tour features a unique design inspired by the beauty of the Tampa Bay region. In collaboration with the Audubon Society, each of the 12 cars is adorned with an image of one of the many birds that inhabits the Tampa Bay region. Mitsubishi Heavy Industries America, Inc., which is building and operating the automated train system, calls the exterior design one of the most unique in the world. The tour will include a look at the legacy Bombardier system and the new SkyConnect system operated by Mitsubishi.

Tampa International Airport is consistently ranked among the world’s top airports, serving more than 19 million passengers annually with routes to more than 80 destinations around the world.

Sponsored by Tampa International Airport

Photo credit: Above: Airport panorama, Don Miller from Venice, U.S.

The bus will begin boarding at 1:45 p.m. outside the front of the Hilton Downtown Tampa. Tour ticket is required to board bus. Light snack will be provided. Luggage storage will be available for tour participants.

General Information

ADA Compliance

The Hilton Tampa Downtown is ADA compliant and meets all regulations. While ASCE will make every effort to meet the needs of the disabled, accommodations cannot be guaranteed without prior notification.

Attire

The dress code for the APMATS Conference is business casual (i.e. slacks, casual dresses) to business attire (i.e. neckties, business suits). Meeting room temperatures will vary, so wear layered clothing to ensure your personal comfort. We also recommend attendees wear comfortable shoes.

Badge Policy and Ribbons

Your APMATS Conference registration name badge is your admission to all conference sessions. Please wear your badge at all times while at Hilton Tampa Downtown Hotel. Tickets are required for the pre- and post-convention events, meals, and special events. Where tickets are required, please be sure to bring your ticket with you to each event as you will not be admitted without a ticket. Ribbons will be available at the Registration Desk.

Sustainable Conference Policy Statement

ASCE is committed to sustainable meetings in accord with the ASCE policy on The Role of the Civil Engineer in Sustainable Development. ASCE defines sustainability as a set of economic, environmental, and social conditions in which all of society has the capacity and opportunity to maintain and improve its quality of life indefinitely, without degrading the quantity, quality, or availability of natural resources and ecosystems.

Sustainable development is the process of converting natural resources into products and services that are more profitable, productive, and useful, while maintaining or enhancing the quantity, quality, availability, and productivity of the remaining natural resource base and the ecological systems on which they depend. To that end, ASCE works with hotels and convention centers that strive to make our events green and include amenities such as reusable pitchers and water coolers rather than plastic bottles.

Meeting Room Overcrowding

ASCE will make every effort to schedule popular events in rooms large enough to accommodate anticipated attendance. Because many events are extremely popular, it is wise to select alternative events as you plan your conference schedule. ASCE and the Hilton Tampa Downtown Hotel are REQUIRED to follow local fire regulations and may ask participants in rooms filled to capacity to choose another event.

No Smoking Policy

ASCE supports a “No Smoking” policy. Smoking is prohibited in the Hilton Tampa Downtown Hotel, and at all indoor venues hosting ASCE events.

Release/Waiver/Special Assistance

Photographs and Video: Photographs and video of the event may be taken by ASCE, its agents, contractors, or representatives, and such photographs and video may be used for any purpose at ASCE discretion.

Liability Waiver: By submitting my registration, I acknowledge and agree that I am undertaking to participate in the conference activities as my own voluntary and intentional act. I agree that I alone am responsible for determining whether I am physically capable of participating in any conference activity, and I understand that there is risk associated with my participation, which may include without limitation, injury or loss caused by my own negligence or the negligence of others. With knowledge and acceptance of the risks involved, I accept full responsibility for my own safety and wellbeing. In consideration of my participation in conference activities, I hereby waive, release, hold harmless, and discharge ASCE and its officers, directors, and employees from any and all loss or injury that may be suffered by me in connection with conference activities to the fullest extent permitted by law.

www.apmconference.org
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Contributions from the following sponsors will enable the Automated People Movers and Automated Transit Systems Conference to continue its commitment to excellence in programming and networking events for attendees.

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Ice Breaker Reception and Technical Tour

**Silver**

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**Bronze**

GRESHAM SMITH AND PARTNERS
Monday afternoon networking break

BOMBARDIER
Tuesday morning networking break

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Join the Transportation & Development Institute of ASCE

As a member of ASCE’s Transportation & Development Institute (T&DI), you will have the opportunity to participate in T&DI technical committees and activities, interact with local and national leaders by joining your local T&DI technical chapter, influence public policy in transportation, receive monthly newsletters with T&DI news, and get discounts on numerous conferences, webinars, and professional development products and events designed to help advance your career.

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