

Podcar City 9

Innovative mobility in the era of automation

4-6 november 2015, Silicon Valley, California 

Silicon Transportation!

www.podcarcity.org

OCTOBER

#5
2015

CONFERENCE NEWSLETTER

In this issue: Exhibitors and Sponsors - Full Program

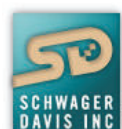
FINAL CONFERENCE
ISSUE. SEE SPEAKER
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WELCOME! We are now a few days away from a conference full of concepts, experiences and people from around the world thinking that automated public transportation is a good idea. We very much look forward to see you November 4-6.



Mountain View Center for
the Performing Arts

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Automated Transit Systems

Lea+Elliott is widely recognized as the industry leader in automated transit systems consulting. We have worldwide experience with all kinds of automated transit systems. Our projects include: airport terminal development, airport rail access, urban circulator systems, and integration of automated transit systems into local transit networks. Based on this extensive experience, we are well prepared to address all issues involved in planning, design, procurement, and implementation of an automated transit system. Because of our significant automation experience, Lea+Elliott is at the forefront of the automated urban transit movement.

A few of our automated transit system projects are showcased below.

AIRPORT PEOPLE MOVERS

Dallas/Fort Worth International Airport Skylink
Singapore Changi International Airport People Mover System
Hartsfield-Jackson Atlanta International Airport SkyTrain
Minneapolis-St. Paul International Airport APMs
Phoenix Sky Harbor International Airport PHX Sky Train®
Washington Dulles International Airport AeroTrain

AUTOMATED URBAN TRANSIT

Las Vegas CityCenter Aria Express Tram
BART to OAK APM System
West Virginia University Morgantown PRT
Las Colinas Area Personal Transit
Doha West Bay People Mover
Miami Metro Mover



skyTran, a NASA Space Act company, headquartered at the NASA Ames Research Center near Mountain View, California, is a patented, high-speed, low-cost, elevated Personal Rapid Transportation (PRT) system. The skyTran network of computer-controlled, 2-person "jet-like" vehicles employs unique, state-of-the-art, SkyTran Magnetic Levitation (STML) technology. skyTran moves passengers in a fast, safe, green, and economical manner.

With its NASA relationship, skyTran has access to a wide range of cutting-edge technologies and capabilities. It is able to combine NASA expertise, assets, and information with its own core competencies.

After years of groundbreaking R&D and perfecting its proprietary technology, skyTran recently partnered with a leading aerospace company for the construction of a full scale skyTran Technology Demonstration System (TDS). The TDS will incorporate skyTran's salient features and will provide a platform for skyTran vehicles to travel at high speeds, with full payloads while levitating. The TDS will enable testing, refinement, and validation of skyTran's technology in a controlled environment.



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Schwager Davis, Inc. is a diversified specialty contractor engaged in projects requiring special know-how, innovative engineering, manufacturing and construction capabilities. Since 1982 we have built a solid track record for on-time, on-budget performance as well as an industry-wide reputation for honesty and integrity.

Our primary activities include the design and supply of multistrand post-tensioning systems for large civil engineering projects, structural repair and alteration of post-tensioned concrete structures, the design and supply of erection equipment for segmental bridge construction, as well as the design, installation, refurbishment, operation and maintenance of automated people mover systems for urban transportation.

Whether performing as turnkey design / build contractor for the \$40 million Clarian Health transit system in downtown Indianapolis, or supplying the post-tensioning system and heavy lifting structures for the new San Francisco - Oakland Bay Bridge, SDI's team of dedicated professionals has the training, experience and resources to deliver as promised and complete the job successfully.

CYBERTRAN - ULTRALIGHT DIRECT-TO-DESTINATION RAIL

CyberTran is a unique passenger rail system that works more like an elevator than a traditional transit system. Rather than running on a defined schedule, a computer-controlled system responds to passenger needs in real time. Passengers input their destinations at a station, and after a small amount of time has passed, vehicles arrive to deliver the passengers directly to their destinations. Multiple small vehicles and off-line stations allow for this level of flexibility and responsiveness. No unnecessary stops, no worrying about train schedules – just hassle-free transportation.

The average speed for CyberTran vehicles in typical light rail corridors is around 50 mph, and they operate on electricity that can be generated by solar panels in the right of way (or from any other power source on a typical electrical grid). In lieu of drivers, operators monitor and control vehicles from a centralized control room.

VEHICLES

CyberTran vehicles are designed to carry a small group of passengers directly from one station to another. Holding approximately 20 people in a more luxurious atmosphere than the typical bus or subway car, their small size means that they are also significantly lighter weight, reducing structural and power requirements and guideway construction costs. Vehicles are computer-controlled using a root level collision avoidance system to maintain safe operating conditions at all times.



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TransitX™ intends to design, build, and operate an automated transit network with high-capacity and low visual impact. We aim to deliver superior urban mobility solutions that can reduce the use of cars, buses, trains, and subways. We are currently raising capital from social-impact investors who want to “Do good and do well”. For more information contact hello@TransitX.com. TransitX is a public benefit corporation and located in Boston, MA, USA.



The Mineta Transportation Institute (MTI) was established by Congress in 1991 as part of the Intermodal Surface Transportation Equity Act (ISTEA) and was reauthorized under the Transportation Equity Act for the 21st century (TEA-21). MTI then successfully competed to be named a Tier 1 Center in 2002 and 2006 in the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU).

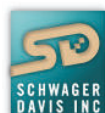
Most recently, MTI successfully competed in the Surface Transportation Extension Act of 2011 to be named a Tier 1 Transit-Focused University Transportation Center.

The Institute is funded by the US Department of Transportation's (DOT) Office of the Assistant Secretary for Research and Technology (OST-R), the California Department of Transportation (Caltrans), and by other public and private grants and donations, including grants from the US Department of Homeland Security.

The internationally renowned members of the MTI Board of Trustees represent all major surface transportation modes. MTI's focus on policy and management resulted from the Board's assessment of the transportation industry's unmet needs.

The Lucas Graduate School of Business at San José State University is the Institute's academic home. MTI conducts research, education programs, and information and technology transfer, focusing on multimodal surface transportation policy and management issues.

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ATRA is a diverse group of people brought together by the common realization that the transportation systems of the past can not meet the transportation needs of the future, or even the present. As non-profit corporation, ATRA's purpose is to encourage the development and deployment of advanced transportation systems that will benefit society. The Advanced Transit Association (ATRA) is an international association of active and retired transportation professionals, engineers, architects, urban planners, students, educators, and enthusiasts that promote the consideration of advanced transit options. Membership is open to anyone who is willing to take a fresh look at new ways to meet our mobility needs. We do not endorse any particular company or system, rather we strive to serve as an objective information resource to help decision makers navigate the often complex issues surrounding transportation choices particularly as it pertains to new technology.

ATRA Industry Group (IG) is a separate legal entity working alongside and with ATRA to promote and provide objective information about advanced transit systems. ATRA IG's emphasis is on fully-automated, market-ready, land-based transit systems capable of operating in a network and providing an improvement over traditional public transit means.

The Institute for Sustainable Transportation (IST) is a for-profit organization based in Stockholm, Sweden. IST is headed by CEO Magnus Hunhammar who has extensive knowledge and experience with ATN technology from extensive studies, research and hands-on work.



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LEA ELLIOTT

TransitX



KOMPASS is a network of Swedish governments promoting automated transportation systems. The network has today ten members and is a neutral organization financed by the participant cities only. The network promotes a sustainable, effective automated transit network based on Podcar technologies.

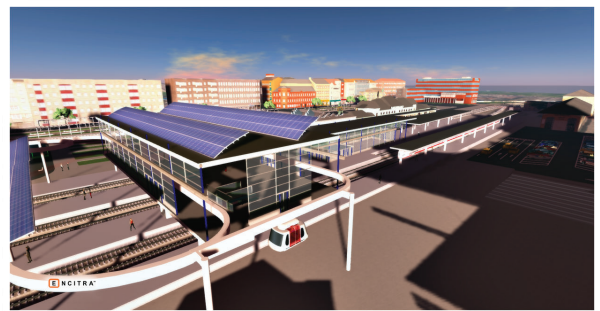


INIST staff and partners have comprehensive skills and experience in the core disciplines needed to build projects that dramatically improve quality of life – project management, general design, energy analysis, innovative transportation solutions, public outreach and more. INIST does NOT compete with traditional consultancy studies. INIST provides conceptual designs in collaboration with students professionals and advisors.

INIST establishes partnerships with top key professional organizations for best performance available on all levels of a project – architects, developers, transit specialists, solar consultants and virtual model providers.



SPARTAN
SUPERWAY



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Trans.21

Trans.21 is a technical clearinghouse on world APM developments. Larry Fabian is former treasurer and current events coordinator of the Advanced Transit Association and active in the U.S. Transportation Research Board (TRB), formerly the chair of its standing Committee on Major Activity Center Circulation. He has also been an officer of the Transportation Division of the American Planning Association (APA).

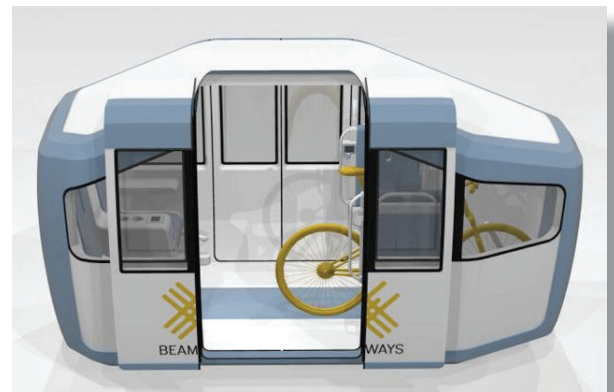


BEAMWAYS

PRT (Personal Rapid Transit) is a revolutionary way to solve urban transportation problems. PRT combines the advantages of the car with those of transit. PRT thereby offers the fastest, most comfortable and most environmentally friendly travel mode in the city. Read more about how PRT works.

The Beamways PRT system has its focus on low investment requirement, high capacity and minimal energy consumption. These properties will be very important in the emerging PRT market. Beamways AB was formed in January 2008 and is located in Linköping, Sweden.

During the latest years three PRT systems have been sold, and RFQs for two more projects are being prepared. This shows that the PRT market is now opening after a long pause since the first system was installed in Morgantown, Virginia in the seventies. Thanks to the incredible improvements within the computer and electronics fields we have seen in the last decades PRT today has great possibilities of succeeding on a large scale.



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CONFERENCE VENUE AND REGISTRATION



The conference will be held November 4 at Spartan Superway in San Jose and November 5-6, 2015 at the Center for Performing Arts in downtown Mountain View. Register at www.podcarcity.org. We also provide links for hotels and motels, transportation information, travel packages for groups and much more.

Contact:
info@podcarcity.org

Speakers as of October 28, 2015 :

Alain Kornhauser, Princeton University, USA
Aurora Lindström, IST, Sweden
Ben Tripousis, California High-Speed Rail, USA
Bengt Gustafsson, BeamWays, Sweden
Burford Furman, San Jose State University, USA
Caroline Rodier, UC Davis, USA
Claude Escala, SupraWays, France
David Holdcroft, ATRA Industry Group, UK
Doug Malewicki, SkyTran, USA
Eric Phillips, Lea+Elliott, USA
Fernando De Aragon, Ithaca MPO, USA
Fredrik Saweståhl, Tyresö, Sweden
Gary Hsueh, Arup, USA
Guido Schwager, Schwager-Davis, USA
Ingmar Andreasson, LogistikCentrum, Sweden
Jeral Poskey, Google, USA
Jim Beregi, Solar Transportation Technologies, USA
Laura Stuchinsky, City of San Jose, USA
Lucia Cristea, Perugia, Italy
Luis Ferreras, Parsons Transportation Group, USA
Magnus Hunhammar, Kompass, Sweden
Matthew Lesh, Noblis, USA
Monica Zarafu, Australia
Nanzheng Yang, Tubenet, China
Nathan Koren, Podaris, UK
Neil Sinclair, CyberTran, USA
Nicolas Coulombel, Ecole des Ponts, France
Peter Muller, PRT Consulting, USA
Robbert Lohmann, 2getthere, Netherlands
Ron Swenson, INIST, USA
Sam Lott, Kimley-Horn, USA
Seth Hollar, EcoPRT, USA
Shannon McDonald, Southern Illinois University, USA
Sharon Feigon, Shared Use Mobility Center, USA
Stefan Bergström, Sundbyberg, Sweden
Steve Perliss, Lea+Elliott, USA
Susan Shaheen, UC Berkeley, USA
Tad Winiiecki, Rice University, USA
Walter Kulyk, TRB, formerly DOT, USA
Włodzimierz Choromanski, Technical University of Warsaw, Poland



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