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INTELLIGENT TRANSPORTATION SOCIETY OF MARYLAND

An ITS Maryland Communication

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President's Message
by Ruihua Tao, Maryland State Highway Administration
ITS MD, President

Happy summer to our returning members and 2016 new members! It is with great pleasure and humility that I assume the 2016-2017 presidency of our wonderful organization, now in

our 21th year of being a spirit of collaborative success in ITS in Maryland.

In celebrating our 20th year last October, many ITSMD veterans and novices perceived great achievements of ITSMD in the past 20 years as a part of today's intelligent transportation system in Maryland. This year, our organization continues to make giant stride forward to fill in our roles in what is called, the "technology revolution," of automated and connected vehicles. Collaborating with CHART, ITSA, and FHWA ITS Maryland has assisted to successfully organize Connected Vehicle 102 workshop. This workshop featured professional training and high level panel discussions. Over 60 professionals statewide have participated in this workshop. The 2016 Legislative Technology Fair was another great success event. It attracted 20 exhibitors and many participants and visitors. The exhibition hall at the Miller Senate Office Building was full of people engaging in discussion of transportation technologies. Citilog Engineering sponsored Lunch & Learn discussed advantages of video analysis and other available technologies.

Looking forward to our June through December program, we have many diverse activities. Keep up with us by visiting ITSMD website at www.itsmd.org to check for upcoming events, news, releases, new member updates and other important happenings. Please do not hesitate to reach out to any us with your ideas, questions, suggestions or concerns.

Be involved! Volunteers are at the heart of ITS Maryland. Members and sponsors contribute in many ways through participation and connections. We have a number of exciting programs and events planned for 2016, which continue to be a long standing ITSMD traditions. It's key for our organization to live and thrive. If you have relationship with industry partners who are not already a member/sponsor of ITS Maryland please encourage them to join our family.

Welcome, New Members!
by Elizabeth Parrish, Montgomery County
ITS MD Board Member

This year, we've acquired many new members for ITS MD. We'd like to welcome **Intelligent Automation, Inc., PRIME AE Group, Inc., GRIDSMART, Iteris, Xerox, City of Alexandria, Lamont McAliley of Noblis, Endesco Inc., The Traffic Group, and Parsons Brinckerhoff** to ITS MD.

This brings our membership total up to 55 members! It is only with the help of our members that we can continue to advance the application of technology in transportation mobility in and around the Mid Atlantic. To see a full list of members, please visit: http://itsmd.org/about-

2016 Maryland General Assembly Legislative Session
by Roger Booth, CH2M Hill
ITS MD Board Member

Maryland's General Assembly, the State Senate and House of Delegates, recently concluded their 90-day 2016 Legislative Session, considering some 60 proposed bills related to transportation in the process. Half of these related to specific highway and bridge issues.

The highest-profile piece of legislation was House Bill (HB) 13208 and its Senate counterpart SB908, the Maryland Open Transportation Investment Act. Proposed by Delegate Pamela Beidle (D-Anne Arundel) and Senator James DeGrange (D-Anne Arundel), the Bill purported to require "Establishing State transportation goals; establishing measures by which the Department of Transportation is required to score the extent to which major capital projects satisfy the goals; requiring the Department to evaluate, score, and rank specified projects for inclusion in the draft and final Consolidated Transportation Program; requiring, with a specified exception, that capital projects with higher scores be ranked ahead of capital projects with lower scores."

This legislation passed both chambers but was vetoed by Governor Larry Hogan who claimed that it represented nothing more than an attempt by the State Legislature to take decision-making authority away from MDOT. The bill was over-ridden strictly along party lines by both Democrat-controlled chambers and will become law in 2017.

A similar bill related specifically to the Maryland Transit Administration was vetoed by the Governor after the end of the session and may be brought up for veto override when the Legislature convenes again in January.

The Governor also vetoed a Bill sponsored by Senate Finance Committee Chairman Thomas Middleton (D-Charles County) to replace the Harry W. Nice Bridge in Southern Maryland. In a letter to Senate President Thomas Miller, Hogan called the bill "unnecessary. However, the bill passed both chambers with more than enough votes to override a veto.

A number of measures introduced in the House of Delegates dealing with toll rates and toll exemptions on the State's bridges and tunnels failed to make it out of Committee.

The Senate also held hearings on, but did not pass, a Bill submitted by Senator Brian Feldman (D-Montgomery) directed the State Highway Administration to move forward with

completion of the Watkins Mill Road Interchange with I-270. Although this project is still moving forward, it was at one time coupled with the I-270 Innovative Congestion Management Project, which is now moving forward as a stand-alone project. Among other interesting pieces of legislation, a Bill sponsored by Senator Katherine Klausmeier (D-Baltimore County) that would have authorized SHA to sell naming rights to State Highways did not make it out of Committee.

2016 ITS Maryland Legislative Fair – Managing Maryland's Transportation Using Technology

by Bala Akundi, Baltimore Metropolitan Council

ITS MD, Board Member

Annually for the past dozen years, the Intelligent Transportation Society of Maryland has held a Transportation Technology Fair at the Maryland Legislature to inform legislators on how technology is being used to move people and goods safely and efficiently. The 2016 Technology Fair was held on March 23rd in the Miller Senate Office Building.

The event featured 19 exhibitors from the public and private sectors showcasing technology applications and products. The public sector was led by the State Highway Administration's Office of CHART and ITS Development along with Baltimore City, Montgomery County, Prince George's County, and the University of Maryland's Center for Advanced Transportation Technology (CATT). Private Sector companies at the fair include CSRA, GRIDSMART, Traffic Systems & Technology, Control Technologies, J.O. Herbert Company, COHU, SENSYS, ETHERWAN, DAKTRONICS, ITERIS, and XEROX.

The technology fair was attended by over 200 members of the legislature including several senators, delegates, and their staff.

Citilog Lunch and Learn

by Katie Masetti, Sabra, Wang, and Associates

On Friday April 8th, SHA hosted a Lunch-and-Learn on the Citilog video analytic software.

Approximately 25 people attended the presentation, which included a presentation by the Citilog vendor of cameras used as detectors and the ability to analyze vehicle classification, traffic volume and queue length detection of up to three lanes of traffic with one camera. The video analytic software may be installed on multiple platforms including servers, virtual machines, field cabinets and field hardened computers and is modular, so only the aspects of the software an organization requires, need to be purchased. The software is scaleable and can interface with many brands of cameras. The presentation revealed that the software works with PTZ cameras by running when the camera stops at one of six preset locations. The two accuracy metrics that Citilog evaluates their software are time-to-detection and reliability (the percent of detections that are not false alarms). The Citilog software has approximately a 10-15 second detection time and depending on the application, around a 97% accuracy rate.

Automated Vehicle Policy and Regulations: A State Perspective Workshop

by Kyle Tarnoviski, STV

ITS MD, Board Member

As automated vehicle technology continues to be tested and more applications are installed in vehicles, our federal, state and local governments will need to enact policies that allow for safe use of this technology on our roads. Last month on May 18th, the University of Maryland's National Transportation Center held the Automated Vehicle Policy and Regulation: A State Perspective Workshop that included multiple speakers and panelists from the public and private sectors to present and discuss existing and pending policies.

Four elected officials, Delegate Glenn R. Davis (Virginia), Delegate David Fraser-Hidalgo (Maryland), State Senator Mark Green (Tennessee) and Councilmember Mary M Cheh (Washington, DC), participated in the workshop speaking about and discussing legislation from their states/districts that became or did not become law and the reasons why. One policy that was discussed, SB 1561 – Tennessee, changed the definition of a driver and established a new certification program for manufacturers.

More information about this event and the speakers can be found online at http://ntc.umd.edu/sites/default/files/documents/Publications/AutomatedVehicleWorkshop.pdf.

ITS Maryland/WDCSITE Joint Technical Meeting

by Adison Zoretic, JMT
ITSMD, Board Member

OOTS'
Jean Yves Point-Du-Jour

MSU's
Dr. Young-Jae Lee

A joint technical meeting at Morgan State University was held by WDCSITE and ITSMD to network with students, learn and interact with our speakers, and catch up with fellow colleagues during the reception. The meeting held on March 30th was kicked off by a resume and mock interview workshop with students from Morgan State University and volunteers from WDCSITE and ITSMD. After a brief reception, OOTS' Jean Yves Point-Du-Jour, and Morgan State University Associate Professor Dr. Young-Jae Lee each gave a presentation. Mr. Point-Du-Jour presented an overview of CHART and the technologies they are looking forward to. His knowledge of CHART's founding, history, and future applications was a captivating feature. Dr. Lee presented the extensive data driven research his team completed under the Development of Local Calibration Factors for Implementing the Highway Safety Manual in Maryland research project. We thank all our partners at Morgan State University, WDCSITE, and our ITSMD member volunteers who made this event possible.

Are you an ITS Maryland member?

Chances are that you are a member! ITS Maryland is an "organization of organizations," and membership is by firm, agency, University, etc. It is not an individual membership. So, if your employer is a member… so are you!

To see if you are a member, check out our list of member organizations here: http://itsmd.org/about-us/its-maryland-members/