



**Michael Pack, University of Maryland CATT Lab**

*Presentation: Closing the Data Gaps*

**Bio:**

Michael Pack is director of the Center for Advanced Transportation Technology (CATT) Laboratory. His research focuses on intelligent transportation systems, traffic data acquisition systems, traffic database management systems and 3D transportation visualization. Through the CATT lab, Pack works to improve transportation operations and management. He specializes in the processing, management, and analysis of massive streaming datasets from disparate sources. He has significant experience in transportation operations, planning, performance management, systems integration, image processing, information visualization, and human factors. Michael has previously worked at the University of Virginia's Smart Travel Laboratory and the Oak Ridge National Laboratory's Center for Transportation Analysis. He was honored at the White House in 2013 as a "Champion of Change" for his work in transportation operations data sharing and information visualization. Pack has also been featured on ABC News, CNN and NPR.

**Ted Bobowsky and Brendan Kaplan, Port Authority of New York & New Jersey**

*Presentation: Pros and Cons of "The Crowd" in Crowdsourced Data and How to Manage Them*

**Ted's Bio:**

Ted Bobowsky works in the Traffic Engineering group at the Port Authority of NY & NJ. He earned a B.S. in Civil Engineering and an MBA from Rutgers University. He is also a licensed engineer, Project Management Professional, and a Professional Traffic Operations Engineer. Throughout his career at the Port Authority Ted has performed technical work in the areas of Planning, Design, Safety, ITS and operations work at various Port Authority facilities and managed many projects of varying scales. Ted also oversaw a successful ConOps effort engaging internal and external stakeholders to establish a Port Authority-Wide, multi modal



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Transportation Management Center called the Port Authority Agency Operations Center (PA-AOC). Currently, Ted manages the Port Authority's 24/7 Agency Operations Center and manages the Agency's strategic partnerships with other agencies, vendors and private companies to keep up-to-date in industry trends and best practices in the areas of Traffic Transportation Systems Management and Operations (TSMO) as well as transportation technologies. Most recently, Ted has been working with Google Maps, Apple Maps, and Waze to integrate the Port Authority's transportation data into those platforms and identify strategic initiatives to work on collectively as the Port Authority prepares for the CV/AV world.

#### **Brendan's Bio:**

Brendan Kaplan brings an interdisciplinary background focusing on technology, operations, and government relations to the Port Authority's Agency Operations Center (AOC). Brendan crafted his own line of study at Rutgers University, where he studied similarity between brain development and city development using complex adaptive systems. At the AOC, Brendan works integrating Google, Apple, and Waze data with existing Port Authority systems to increase visibility into Port Authority operational conditions, deliver just-in-time insights to drivers, collect longitudinal/ spatial information for traffic engineers, and support the PANYNJ capital plan. Past projects include providing guidance creating and communicating IEEE's 2020 and 2030 plans, technical governance consulting for Macmillan Publishing in planning and delivering their 2015 web strategy, developing new software and practices for NJ's premier environmental asset management firms, and supporting regional Atlassian ecosystem communities in Boston, NYC, Philadelphia, and DC. Brendan is the founder and Executive Director of the New Brunswick Office of Innovation, where he leads city-wide efforts to improve quality of life using technology by bridging the digital divide and completing projects to support the local government, all pro-bono.



### **Robert Bamford, TRANSCOM**

*Presentation: Integrating Waze data with Public Agencies' Data*

**Bio:**

Mr. Bamford is a project manager for TRANSCOM, a coalition of 16 transportation and safety agencies in NY/NJ/CT metropolitan area that supports coordinated, cooperative regional transportation management efforts. In this role, Mr. Bamford is responsible for the support and oversight of the TRANSCOM Technology Department initiatives, including the OpenReach Group of systems implemented for the TRANSCOM Agencies, New York, New Jersey and DVRPC, as well as the TRANSCOM Data Fusion system for travel times and the SPATEL Data Analysis System. Prior to working for TRANSCOM, Mr. Bamford worked in the private sector. Mr. Bamford has a B.S. degree in Civil Engineering from Michigan State University and an M.S. degree in Civil Engineering with an emphasis in transportation from University of Illinois - Chicago..

### **Clifton Curtis, Maine Department of Transportation**

*Presentation: Maine Waze*

**Bio:**

Clifton is a Civil Engineer for Maine Department of Transportation. He has worked there for nearly 30 years in various bureaus within the Department. For the last 14 years, Cliff has worked in Maintenance and Operations, where he manages Facility Safety and Environmental Audits, Seasonal Truck Weight Restrictions, Emergency Continuity of Operations, Maine's Traffic Management Center, along with "all other duties assigned".



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### **Chester Osborne, Massachusetts Department of Transportation**

*Presentation: Highway Operations Center Traffic Desk - Using Crowdsourcing Applications for Traffic Incident Management*

**Bio:**

Chester Osborne, or “Ozzy”, just celebrated his 4<sup>th</sup> year with MassDOT. He is currently a member of the Management Team at the Highway Operations Center. Prior to joining MassDOT, Ozzy served our country in his first career of 20 years in the US Army as a Special Forces “Green Beret” Senior Non-Commissioned Officer. He worked in humanitarian efforts, nation building, foreign affairs, and foreign internal defense. He has led US military and foreign national troops in battlefield combat, including large scale military operations and small scale asymmetrical operations. He is the recipient of The Bronze Star Medal, for meritorious service in a combat zone. He has studied at the John F. Kennedy, Special Warfare Center and School, holds a Master’s in Public Administration and is currently pursuing a second Masters in Urban and Transportation Planning. He is also a graduate of the Operations Academy.

### **Russell Allen, Florida Department of Transportation**

*Presentation: Waze – FDOT Integration*

**Bio:**

Russell Allen is a native of Tallahassee, Florida. He received his Bachelor of Science degree in Electrical Engineering in 1999 from the Florida State University. That same year, Mr. Allen was employed by RCC Consultants and became an in-house consultant to the Florida DOT’s Traffic Engineering and Operations Office ITS Section to work in their telecommunications area. Mr. Allen received his Professional Engineering license for the State of Florida in 2005. During his 15+ years as a consultant, Mr. Allen designed and managed several communications projects including microwave radio and tower site facilities design and integration, ITS communications designs and deployments, and RWIS systems design. Mr. Allen also assisted in the development and modifications of several FDOT ITS specifications and standards.



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In October, 2014, Mr. Allen left RCC Consultants and joined FDOT as the ITS Program Development Engineer. His roles include managing Florida's Advanced Traveler Information System (FL 511), the statewide TSM&O deployment program, the budget for TSM&O/ITS projects, operations, and maintenance, FDOT's liaison for the AMBER/Silver/LEO Alert program, administering the TSM&O General Consultant contract, and providing technical review and updates to ITS standards, specifications, design manuals, and other publications.

### **Michael Fontaine, Virginia DOT / Virginia Transportation Research Council** *Presentation: Evaluation of Waze Data*

**Bio:**

Mike Fontaine is the Associate Director for the Safety, Operations, and Traffic Engineering team at the Virginia Transportation Research Council, the research division of the Virginia DOT. Dr. Fontaine manages VDOT's research program in safety, traffic operations, intelligent transportation systems, and connected and automated vehicles. He is also a member of the graduate faculty in the University of Virginia Civil and Environmental Engineering Department, where he teaches graduate classes in transportation data analysis and highway safety. He is currently a member of the TRB Highway Traffic Monitoring Committee, Urban Data and Information Systems Committee, and serves as the Chair for the Joint Subcommittee on Travel Time, Speed, and Reliability Data. Prior to joining VTRC, Dr. Fontaine worked at Old Dominion University, the Texas A&M Transportation Institute, and the City of Charlottesville. Dr. Fontaine received his Ph.D. from the University of Virginia and is a registered professional engineer in Virginia.