



THANK YOU
FOR ATTENDING ITS NEW MEXICO'S ANNUAL MEETING!



OCTOBER 11TH 2022

MARRIOTT UPTOWN | ALBUQUERQUE, NM

Marriott Meeting Wi-Fi

PASSWORD: rst2022



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ITS NEW MEXICO MEMBERSHIP, OFFICERS AND BOARD
OF DIRECTORS WOULD LIKE TO THANK THE TEAM AT
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OF OUR WEBSITE AND SHOPPING CART.

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ITS NEW MEXICO



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JEREMY COK, NMDOT, ITS ENGR. MGR.
JERRY VALDEZ, NMDOT

The Intelligent Transportation Society of New Mexico (ITS NM) is a state chapter of ITS America. Membership is open to any interested individual or organization including government agencies, private companies, consultants, educational institutions, professional organizations, emergency responders, and not-for profit organizations.

VISION: The Intelligent Transportation Society of New Mexico is an organization that believes innovative technologies can significantly improve the performance of our transportation system by 1) saving lives and 2) reducing congestion.

MISSION: The mission of ITS New Mexico is to foster the application of ITS solutions in New Mexico by encouraging innovative ideas, supporting public-private partnerships, advocating ITS deployment, offering guidance to governmental decision makers, and encouraging interest and support of ITS in our state.

GOALS: The Intelligent Transportation Society of America and ITS New Mexico are the leading advocates for technologies that improve the safety, security and efficiency of the nation's and New Mexico's surface transportation system. Our members include private corporations, public agencies, and academic institutions involved in the research, development and design of Intelligent Transportation Systems technologies that enhance safety, increase mobility and sustain the environment. Become a member. Visit our website at www.newmexicoits.com for more information.

EXTERNAL GOALS:

- Advocate ITS on behalf of our members
- Provide an exciting non-competitive forum for ITS information exchange among public, private, and academic sectors
- Partner with other industry associations
- Promote the development and expansion of ITS markets
- Promote collaboration among ITS stakeholders
- Advise the State Legislature, the NMDOT, and other governing bodies on ITS issues and advancements
- Provide training opportunities for our members
- Support research and ITS education

INTERNAL GOALS:

- Maintain a strong chapter structure
- Maintain a high level of ethics in all undertakings
- Maintain financial stability in all accounts
- Expand and diversify membership
- Provide services responsive to member needs
- Engage membership and potential membership in chapter activities
- Show leadership in regional and national ITS activities



7:00 AM -	Registration/Vendor Networking Breakfast - Sponsored by MWI Inc. and Summit Traffic Solutions
8:00 AM	
8:00 AM -	Welcome by Chris Schroeder, President of ITS New Mexico
8:45 AM	Opening Remarks from the offices of Senator Heinrich, Senator Luján, NMDOT, City of Albuquerque, and MRCOG
8:45 AM -	ITS America Address
9:30 AM	Laura Chase, President of ITS A
9:30 AM -	Partner Demonstration - Inrix
9:50 AM	Gary Carlin, Director Business Development, Public Sector
9:50 AM -	Partner Demonstration - Blynx
10:10 AM	Mark Pittman, President
10:10 AM -	Door Prize Announcement - Sponsored by Dura-Line
10:35 AM	Morning Break - Sponsored by AECOM & Traffic Technology Services, Inc.
10:35 AM -	Partner Demonstration - SWRI
10:55 AM	Dan Rossiter, Assistant Program Manager R&D - Transportation Technologies
10:55 AM -	Partner Demonstration - TSPS
11:15 AM	Carl Ruddell, Business Development
11:15 AM -	Artificial Intelligence and Computer Vision Uses in ITS
12:00 PM	Roger Brock, Head of Partnerships and Sales, Advanced Mobility Analytics Group
12:00 PM -	Lunch - Sponsored by 360 Network Solutions and Horrocks Engineers
1:30 PM	Speaker: D'Val Westphal, Albuquerque Journal Road Warrior ITS Champion Award and ITS Project Award Announcements
1:30 PM -	Vision-Based Connected Vehicle Data for Infrastructure Management and Road Safety Assessment
2:15 PM	Mark Davis, North American Data Services, Mobileye
2:15 PM -	Oregon DOT Broadband Initiative
3:00 PM	Dennis Mitchell, Regional Director of Transportation Technology, DKS Associates
3:00 PM -	Door Prize Announcement - Sponsored by AVI-SPL LLC
3:30 PM	Afternoon Break - Sponsored by Bohannon Huston, Inc. and SWARCO McCain Inc.
3:30 PM -	Improving Transportation Operations through 21st Century Tools and Data
4:15 PM	Brian Reed, Technical Principal and Scott Andreasen, Senior Systems Analyst, WSP
4:15 PM -	The Use of Big Data For Today's Infrastructure and Policy Challenges
5:00 PM	Michael Lally, Head of Business Development, Replica HQ
5:00 PM -	Election Results and Closing
5:10 PM	Door Prize Announcement - Sponsored by Vivacity Infrastructure Group
5:10 PM -	Reception with Entertainment by Le Chat Lunatique
7:00 PM	Sponsored by Lee Engineering and Bixby Electric





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**ROGER BROOK, HEAD OF PARTNERSHIPS AND SALES,
ADVANCED MOBILITY ANALYTICS GROUP**

Roger Brook is Head of Partnerships and Sales for Advanced Mobility Analytics Group. Advanced Mobility Analytics Group, founded in 2019 by traffic engineers conducting research at leading universities, leverages machine learning models, video and LiDAR data, and edge computing to develop advanced traffic software solutions. Mr. Brook has previously consulted with IoT and software analytic companies serving both the public and private markets. Earlier in his career, Mr. Brook was a partner in Japan Venture Partners and held operating and investment roles at GE Capital and Transamerica Finance. Mr. Brook holds a MBA from the University of North Carolina and a BA from Duke University.



SCOTT C. ANDREASEN, P.E., GISP.

Scott is a Senior System Analyst, a Professional Engineer (PE) and GIS Professional (GISP) with WSP, USA. Scott has worked both domestically and internationally. As part of WSP's Digital Services team, Scott's focus is on Asset Management, Inventory, GIS data analysis and preparation of geospatial (digital) deliverables. He is highly experienced using Esri products including ArcGIS Pro, Desktop, Enterprise, Portal, and ArcGIS Online. Scott was VP of ITS New Mexico from 2018 to 2021 and considers it an honor to have been able to work on several NMDOT ITS Bureau projects/tasks.



**GARY CARLIN, DIRECTOR OF BUSINESS DEVELOPMENT,
INRIX**

Gary Carlin works at INRIX where he is a Director of Business Development for the public sector for the western U.S. and western Canada. Mr. Carlin has over 25 years of experience including four years at Leidos managing the 511 Traffic Program for the Metropolitan Planning Organization in the Bay Area. Before working at Leidos, Mr. Carlin's work was focused primarily on traffic operations and transportation planning studies and he worked at a variety of companies including PBS&J and Kimley-Horn & Associates. He holds a bachelor's degree in civil engineering from Penn State and is a licensed engineer and a certified Professional Transportation Planner.



LAURA CHASE, PRESIDENT & CEO,
ITS America

Laura Chase was named President and CEO of ITS America in August 2021. Previously, she served as the association's Chief Operating Officer. In her role as COO and now as President and CEO, her focus is to promote policies that advance the development and safe deployment of intelligent transportation technologies throughout the United States. Chase has extensive experience in strategic planning, operations, communications and advocacy, and a proven track record of implementing complex initiatives with strong engagement and collaboration among stakeholders. As COO, she led operations across ITS America with a focus on technology's ability to save lives and reduce crashes on U.S. roadways, reduce congestion, minimize transportation's carbon footprint, and provide seamless mobility and transportation choices for all Americans.



MARK DAVIS, NORTH AMERICAN DATA SERVICES,
Mobileye

With over 25 years in deploying new technologies and innovative solutions with Fortune 500, government and academic research clients, Mark Davis currently leads Mobileye's North American Data Services business. Mark has led the introduction of several platform technologies in areas ranging from climate change research to commercial risk management to industrial process control solutions. With a long background in remote sensing and geospatial analytics — Mark draws from his experience to address some of the transportation sector's biggest safety & operational challenges. Mark has held senior executive positions at top VC backed start-ups (Aeryon, Airware and Picarro) to multi-billion giants (Intel Corporation and Danaher). Mark holds a Master of Science, Management of Technology degree from Georgia Institute of Technology and a Bachelor of Science from the University of Georgia.



MICHAEL LALLY, HEAD OF BUSINESS DEVELOPMENT,
REPLICA, INC.

Prior to joining Replica in 2019, Mike spent over 30 years in the engineering consulting field. Most recently, he was a Vice-president and Shareholder with Olsson, a 1600+ plus person full-service engineering consulting firm. At Olsson, he had responsibility for sales and growth efforts across the firm's fastest growing region which included Missouri, Kansas, Iowa, and Arkansas. He was also a member of the firm's leadership team focused on establishing a presence in the state of Texas for the firm. He holds a B.S. and M.S. in Geological Engineering from Missouri University of Science & Technology (formerly University of Missouri-Rolla) and a Master of Business Administration degree with an emphasis in finance from the University of Missouri-Kansas City. He is a professional engineer and professional geologist.



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Saving Lives Through Improved Mobility[®]

Genetec[™]



SPEAKERS



DENNIS MITCHELL, PE, REGIONAL DIRECTOR FOR TRANSPORTATION TECHNOLOGY,
DKS Associates

Dennis is a transportation engineer with over 37 years of experience leading transportation projects for public agencies. Prior to joining DKS, Dennis was the Region 1 Traffic Engineer with the Oregon Department of Transportation (ODOT). With this agency experience, he brings expertise in leading and directing the technical aspect of traffic investigations, design, and operations including the development, evaluation, and deployment of new technology related to traffic engineering and intelligent transportation systems (ITS). Dennis has worked on several TSMO and ITS plans for urban, countywide, multi-county, and rural areas along with coordinating planning with local agencies on build-out and sharing of communication infrastructure.



MARK PITTMAN, CEO
Blyncsy

As the founder of Blyncsy, Mark is passionate about improving the world through technology and innovation. Prior to his current role, Mark worked in areas as diverse as political campaigns, law firms, start-ups and even a Fortune 500 company. More recently he was engaged as a consultant for Wireless Advanced Vehicle Electrification and was the Lead Student Director of the Lassonde New Venture Development Program at the Pierre Lassonde Entrepreneur Institute at the University of Utah.



BRIAN REED, CCNA, CCNP, CISSP, MCSE.

Brian leads the Digital Services group and is a Technical Principal with WSP, USA. For over two decades he has specialized in transportation cyber security, design, integration, testing deployment, and software development solutions for infrastructure projects Nationally. He has worked with ITS, Command/Control Systems, Connected/Autonomous Vehicles (C-V2X and DSRC), Transportation Management Centers, Asset Management and Data Analytics. He served as the Deputy Project Manager/Technical Lead for Ann Arbor Connected Vehicle Test Environment and has been the design and deployment lead for MNDOT Connected Corridor, American Center for Mobility CV Test Facility, USDOT/UMTRI Safety Pilot Model Deployment, and 2014 ITS World Congress Projects.



DAN ROSSITER, ASSISTANT PROGRAM MANAGER,
Southwest Research Institute

Dan is a Computer Science graduate from the University of Texas at San Antonio. Following graduation in 2013, Dan began work at Southwest Research Institute (SwRI) focusing primarily on solving challenges in the transportation industry. Since starting work at SwRI Dan has designed large scale transportation management systems, managed many software development and research programs, and been involved in proposal responses netting many millions of dollars in funded work. Dan's work focuses on innovative applications for raw sensor data available to transportation agencies, with a focus on video analytics and leveraging serverless cloud infrastructure to provide highly scalable real-time and historical data processing solutions.



D'VAL WESTPHAL, EDITORIAL PAGE EDITOR,
Albuquerque Journal

D'Val Westphal has been editorial page editor at the state's largest newspaper since 2017. She joined the paper in 1989 and the Editorial Board in 2005, where she helps determine the topics the paper will weigh in on and crafts editorials. She has been recognized by state and regional media groups, as well as the local chamber of commerce and animal and transportation safety advocates, for her writing on issues ranging from trapping and chimp testing to tax reform and protecting the state's Land Grant Permanent Fund. Westphal has a bachelor's degree in broadcasting from UTEP and started out in radio, doing a drive-time show in El Paso with Don Imus' brother, Fred. She has a master's degree in print journalism from the University of Arizona and a doctorate from the University of New Mexico in American Studies, with a focus on U.S. media coverage of war.



CARL RUNDELL, BUSINESS DEVELOPMENT,
COO, TSPS





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UPDATES



Worked closely with NMDOT ITS Operations to facilitate the update of the AMPA's Regional ITS Architecture, 2022, among the stakeholder agencies. Continued management of the regional Albuquerque Traffic Incident Management Plan (a300971) and supportive documents which involves the development and implementation of traffic incident management strategies for the interstates and supportive arterials that will improve safety and traffic flow, reduce delays, and support the coordination of AMPA member agencies and their roadway management activities.

Integral to TIM development include . . .

- Concept of Operations
- Operational Scenarios – Incident response template
- Stakeholder Tabletop Exercise
- Upcoming product – detailed signal timing and exploration of jurisdictional sharing of data via cloud-based Centracis control system



ITS Specific Projects that have recently been completed or are underway include A302190 (CCTVs, DMSs, and RWISs in the ABQ and outlying area); CN 9900809 (DMSs US 70 and US 380); 1102110 (I10 TPAS System); 4720-D4-20-01 (Las Vegas CCTV)

Projects having ITS components include A300375 (CCTVs and DMS replacement at MLK Interchange), 300961 (Los Lunas Interchange – CCTV, DMS), 4101370 (I-25 Rowe Pecos area – RWIS, CCTV, expanded comm infrastructure), 4101371 (I-25 north of Glorieta – grew comm infrastructure), 4100701 (US 64 Flechado Pass to Angel Fire – RWIS, CCTV, DMSs), 4100822 (Raton Pass – RWIS, expanded comm infrastructure), 5100460 (NM 68 – DMSs), 5101120 (US 64 – developed comm infrastructure), 5101341 (La Bajada – RWIS), 5101171 through 5101176 (US 64 mp 0-20.8 – developed comm infrastructure); 5101441 (Tres Piedras – RWIS, CCTV, DMSs), E100203 (NM 404 MM 1.1 to 8.8)



A300381 (NM 528 Rio Rancho); A300431 Northern Blvd
Expansion; A301042 Southern Blvd Phase II



LOCAL AGENCY

UPDATES



CITY OF
ALBUQUERQUE

ATSPM and new signal cabinets on East Central. ATSPM, new fiber, new signal cabinets, and new detection on Louisiana between Central and Menaul completed design for new smart detection for rest-in-red with speed sensors on Lead/Coal corridors. Relocated server room from Comanche/Wyoming Annex to RTMC designed a new firewall to allow more accessible and better-controlled dissemination of Traffic data to outside agencies and public. Installed Leading Pedestrian Intervals. At all dual and triple right turns where cabinets allowed developing requirements and a list of desired features for the City 511 website.



Bernalillo County has completed two new projects implementing the adaptive traffic signal system, bringing us to three major corridors, Alameda Blvd, Bridge Blvd., And Rio Bravo Blvd. We are

also expanding our fiber network to include communications for traffic signals and surrounding infrastructures, such as our Animal Care Center, Fire Training Facility, and Pump stations. We are also updating our school flasher facilities to a cloud-based system which will give us remote access and better management capabilities. Lastly, we are exploring the use of a smart solar lighting system for roadway lighting. This system will allow us to manage the use of street lights better, minimize the chance of vandalism, and increase reliability.



Expansion of Interconnect Infrastructures (Fiber optic cable network and Radios). Implementing Centracrs Priority Module (Dynamic signal control to fire and emergency vehicles based on GPS and existing CAD AVL system). Upgrade and expansion of Automated Traffic Signal Performance Measure and Adaptive Signal Control Technology (ASCT) with signal re-timing. Conversion/Upgrade Vehicle and Pedestrian Detection Systems (using New Video and Radar Detection Units) Completion of Update ITS Architecture (as a part of Mesilla Valley Regional ITS Architecture Update).



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