

ITS NEW MEXICO

14TH ANNUAL MEETING



**ITS ENHANCING INFRASTRUCTURE
PRODUCTIVITY**

OCTOBER 5, 2023

HOTEL ALBUQUERQUE at OLD TOWN

AGENDA

7:00 AM - 8:00 AM	REGISTRATION/VENDOR NETWORKING BREAKFAST - SPONORED BY: BLYNCSY AND PARADIGM
8:00 AM - 8:45 AM	WELCOME AND OPENING REMARKS OFFICES OF SENATOR HEINRICH, SENATOR LUJAN AND REPRESENTATIVE STANSBURY, NMDOT CABINET SECRETARY RICKY SERNA, FHWA DISTRICT ADMINISTRATOR CINDY VIGUE, MRCOG - STEVE MONTIEL
8:45 AM - 9:25 AM	ITS AMERICA ADDRESS ROBERT EDELSTEIN, ITSa BOARD MEMBER, SENIOR VICE PRESIDENT, DIRECTOR OF STRATEGIC TECHNOLOGY, AECOM
9:25 AM - 9:45 AM	PARTNER DEMONSTRATION MIKE DUNBAR, REKOR
9:45 AM - 10:05 AM	PARTNER DEMONSTRATION JOE ANDERSON, FIRSTNET
10:05 AM - 10:30 AM	BEFORE BREAK DOOR PRIZE - SPONSORED BY: APX ENCLOSURES VENDOR NETWORKING MORNING BREAK - SPONSORED BY: SWRI AND MH CORBIN AFTER BREAK DOOR PRIZE - SPONSORED BY: NETRADYNE
10:30 AM - 10:50 AM	PARTNER DEMONSTRATION MARK PITTMAN, BLYNCSY
10:50 AM - 11:10 AM	PARTNER DEMONSTRATION CARL RUNDELL, TSIS
11:10 AM - 11:50 PM	SPEAKER 1 BARRY MATLACK, ONE.NETWORK
11:50 PM - 1:15 PM	LUNCH - SPONSORED BY: LEE ENGINEERING AND 360 NETWORK SOLUTIONS GOLF OUTING RECAP, STUDENT SCHOLARSHIP SOLICITATION SPEAKER D'VAL WESTPHAL - A PERSPECTIVE ON TRANSPORTATION THROUGH THE YEARS. ITS CHAMPION AWARD ANNOUNCEMENT & ITS PROJECT AWARD ANNOUNCEMENT
1:15 PM - 1:55 PM	SPEAKER 2 ROB MOWAT, HDR, TRANSPORTATION ELECTRIC MOBILITY PRACTICE LEAD AND JERRY VALDEZ NMDOT, EXECUTIVE DIRECTOR
1:55 PM - 2:35 PM	SPEAKER 3 SYDNEE JOURNAL, AURORA TECHNOLOGIES
2:35 PM - 3:00 PM	BEFORE BREAK DOOR PRIZE - SPONSORED BY: SUMMIT TRAFFIC SOLUTIONS VENDOR NETWORKING AFTERNOON BREAK - SPONSORED BY: ANM AND MWI, INC. AFTER BREAK DOOR PRIZE SPONSORED BY: BIXBY ELECTRIC
3:00 PM - 3:40 PM	SPEAKER 4 JAY LAFRANCE, DERQ
3:40 PM - 4:20 PM	SPEAKER 5 JOHN HANSEN AND BLAKE HANSEN, OLSSON
4:20 PM - 5:00 PM	SPEAKER 6 KEITH HANGLAND, TERALYTICS
5:00 PM - 5:10 PM	ELECTION RESULTS AND CLOSING GRAND DOOR PRIZE - SPONSORED BY: PARADIGM TRAFFIC SYSTEMS STUDENT SCHOLARSHIP SOLICITATION
5:10 PM - 7:00 PM	RECEPTION - SPONSORED BY: DURA-LINE AND GEOTAB ENTERTAINMENT BY: LE CHAT LUNATIQUE

ITS NEW MEXICO

OFFICERS:

JEREMY COK, PRESIDENT
SURESH PARVATOJ, VICE PRESIDENT
TIM BROWN, TREASURER
PAUL STEFFIN, SECRETARY

BOARD MEMBERS:

NATHAN MASEK, PAST PRESIDENT OF ITS NEW MEXICO
DAVID WILSON, PAST VICE PRESIDENT OF ITS NEW MEXICO
JOHN DI RUGGIERO, FOUNDING PRESIDENT OF ITS NEW MEXICO
CHARLES REMKES, NMDOT, ITS BUREAU CHIEF
PAUL BARRICKLOW, PAST SECRETARY / TREASURER OF ITS NEW MEXICO
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. Became 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 NMOOT, 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



NETWORK: ITSNM
PASSWORD: MIOVISION

The logo consists of the word "miovision" in a bold, black, lowercase sans-serif font. The "io" is replaced by a blue circular icon containing a white stylized "S" or a signal wave. The background features faint, light blue map pin shapes.

miovision



BREAKFAST
SPONSORS

The logo features the word "PARADIGM" in a bold, blue, sans-serif font. A vertical blue bar with a white dot in the center is positioned between the "D" and "I". The background is a light blue silhouette of a city skyline.

PARADIGM

The logo features the word "blynksy" in a bold, black, lowercase sans-serif font, followed by a blue double arrow icon. Below the word is the tagline "MOVEMENT DATA INTELLIGENCE" in a smaller, blue, uppercase sans-serif font. The background is a light blue silhouette of a city skyline with gears.

blynksy™
MOVEMENT DATA INTELLIGENCE



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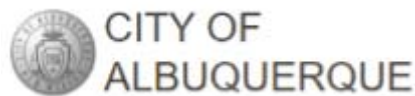
360ns
network solutions



LEE ENGINEERING



LOCAL AGENCY UPDATES



The following ITS projects are underway:

Construction completed for ATSPM, new fiber, new signal cabinets, and new detection on Louisiana between Central and Menaul. Completed construction for new smart detection for rest-in-red with speed sensors on Lead/Coal corridors. New fiber optic, cabinets, and detection in design for Louisiana south of Central. New timing was implemented in San Mateo between Zuni and I-25. New PHBs with fiber interconnect and CCTV cameras were constructed at Central/San Pedro, Central/Conchas, and Central/San Pablo. Developing requirements and a list of desired features for the City 511 website.



The County is systematically upgrading our existing signal systems with current equipment as well as expanding our Adaptive systems on several river crossings to include Rio Bravo and Bridge Blvd. The existing adaptive system on Alameda is under review and evaluation for upgrades. Our fiber network has been upgraded to the majority of our existing County signals. Our existing lighting system is expanding and continues to expand along with the implementation of solar lights at specific locations with the possibility of further expansion. Our Automated speed enforcement initiative is currently being advertised for solicitation and should be implemented early to mid-next year. A new school flasher system has been installed throughout the County which included converting our existing solar system to AC due to excessive theft and vandalism. Our new system allows for remote access and is cloud-based. This new system has proven to be more reliable and robust. The second phase of our school flasher system is currently in the planning stages.



1. Expansion of fiber optic network including shadow conduits
2. Updating the fiber optic network master plan
3. Wireless network expansion and upgrade (radio equipment) for traffic signals and street lighting control system
4. Design of new traffic signals with Texas Diamond interchange and HAWK signals
5. New traffic signal asset management implementation (Econolite MMS)
6. Implementation of new intelligent street lighting control system (Itron)
7. Implementation of new preemption system (GIS based Econolite Priority)
8. Traffic signal equipment upgrades
9. Installation/testing of new pilot traffic data collection unit
10. Upgrade and installation of detection system for vehicle and pedestrian on crosswalks (video and radar)
11. Upgrade and installation of CCTVs
12. Upgrade of travel time data collection system(BlueTOAD)



The ITS Subcommittee (ITS SC) is comprised of regional ITS Stakeholders within the AMPA including Bernalillo County, NMDOT District 3/ITS/GO, City of Rio Rancho, City of Albuquerque, and ABQRide, and is maintained by the MRCOG/MRMPO for ITS planning related issues. The ITS SC coordinates with the Congestion Management Process committee, the Traffic Monitoring Program, and all other groups in support of federally mandated programs for project planning and coordination as well as data collection and analysis. Over the past year, notable actions include review and approval of ITS projects and ITS elements in the 2024-29 TIP using the ITS Matrix and for consistency with the AMPA Regional ITS Architecture. The ITS SC completed final documents of the Albuquerque Incident Management Plan (ATIM), related Concept of Operations, and more detailed supportive sub-phases such as the acquisition of inter-agency enabling signal software, detailed signal flush plans on the routes identified in the ATIM. We also began update of the ITS GIS Infrastructure data to 2023.



Construction is anticipated to be complete in January for the I-10 Truck Parking Availability System (TPAS), estimated at a \$3 million construction cost. It will include new elements such as Dynamic Truck Parking Availability signs (DPASs) and a truck parking availability detection system for each of the NMDOT maintained rest areas along I-10. As part of the TPAS project, the NMRoads data feed will be upgraded from XML to GeoJSON. Construction is underway for new RWISs on I-25 at Waldo Canyon, on I-25 at Rowe, and on US 285 at Tres Piedras. DMSs have been added or are in the process of being added at the I-25 northbound Frontage Road near MLK in Albuquerque, on US 60 near Tres Piedras, on NM 68 near Ohkay Owingeh, on US 64 in Angel Fire, and on NM 14 in Cedar Crest. A CCTV was added in Albuquerque on I-25 at MLK, and construction is underway for a new CCTV in Angel Fire on US 64. At 32 locations in the AMPA region, CCTVs and lowering devices were replaced on existing structures. A system was put in place to provide AVL tracking of the district three help trucks to aid the dispatchers in the RTMC. ITS conduit is being installed on the following projects, which will allow for future fiberoptic communications: The I-10 TPAS project for five miles east of Lordsburg, I-25 for four miles near Rowe, US 64 for a tenth of a mile west of Angel Fire at the Palo Flechado Pass, US 285 for eight miles in Tres Piedras, and US 64 for eight miles west of Shiprock.



Southern Blvd Reconstruction Phase II and Northern Blvd Expansion Phase B will both have fiber, CCTVs, Cobalt controller. We will expand our adaptive signal capabilities on Southern Blvd with the reconstruction Phase II project.



LUNCHEON SPEAKER



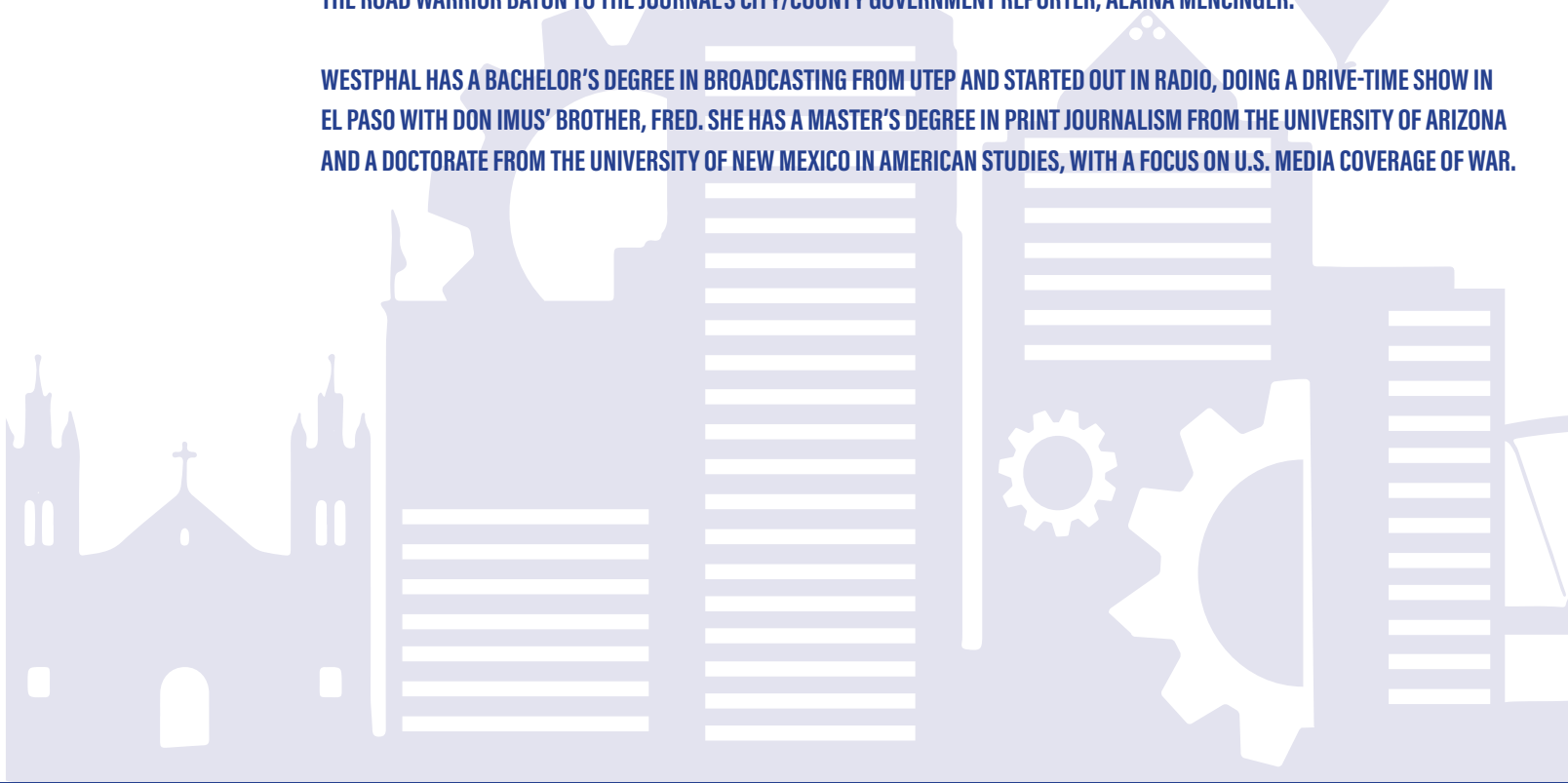
D'VAL WESTPHAL

D'VAL WESTPHAL WROTE THE ALBUQUERQUE JOURNAL'S ROAD WARRIOR COLUMN FROM 1995 UNTIL THIS SUMMER, PROVIDING A BRIDGE BETWEEN READERS AND TRAFFIC PROFESSIONALS ON EVERYTHING FROM SIGNAL PROGRESSION AND BRIDGE BACKUPS TO AUTONOMOUS VEHICLES. THE COLUMN CAME ABOUT WHEN, AFTER A FOCUS GROUP, THE MANAGING EDITOR AT THE TIME SHOUTED ACROSS THE NEWSROOM "WHO LIVES ON THE WEST SIDE?" AND WESTPHAL RAISED HER HAND. ONE OF THE PAPER'S LONGEST-RUNNING AND MOST POPULAR FEATURES WAS BORN.

AT LAST COUNT WESTPHAL RECEIVED MORE THAN A THOUSAND READER INQUIRIES REGARDING METRO-AREA TRAFFIC EACH YEAR, AND THE COLUMN WAS ROUTINELY IN THE TOP FIVE BEST-READ ITEMS ON THE JOURNAL WEBSITE.

AFTER 34 YEARS WITH THE PAPER, MOST RECENTLY AS EDITORIAL PAGE EDITOR FROM 2017-2023, WESTPHAL LEFT THE JOURNAL FOR THE GREATER ALBUQUERQUE CHAMBER OF COMMERCE, WHERE SHE IS EXECUTIVE VICE PRESIDENT OF POLICY AND PROGRAMS AND WILL CONTINUE TO FIGHT THE GOOD FIGHT OF GETTING SOLID INFORMATION OUT ON IMPORTANT COMMUNITY ISSUES, INCLUDING THE BUILT ENVIRONMENT THAT INCLUDES OUR ROADWAYS - WHICH IS KEY TO PUBLIC SAFETY AND COMMERCE. SHE'S HANDING OFF THE ROAD WARRIOR BATON TO THE JOURNAL'S CITY/COUNTY GOVERNMENT REPORTER, ALAINA MENCINGER.

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.





SPEAKERS



JOE ANDERSON

MOBILE FIELD SOLUTIONS CONSULTANT, AT&T PUBLIC SECTOR - INTERNET OF THINGS
SAINT LOUIS MISSOURI

JOE HAS OVER 28 YEARS OF EXPERIENCE DELIVERING INNOVATIVE SOLUTIONS TO A BROAD RANGE OF INDUSTRIES AS WELL AS STATE AND LOCAL GOVERNMENT. THROUGHOUT HIS CAREER, JOE HAS HAD A CONSISTENT FOCUS ON THE REMOTE AND MOBILE USERS THAT EXIST IN THESE ORGANIZATIONS. JOE HAS BEEN INVOLVED WITH 100'S OF PROJECTS WITHIN BOTH GOVERNMENT AND PRIVATE ENTERPRISES.

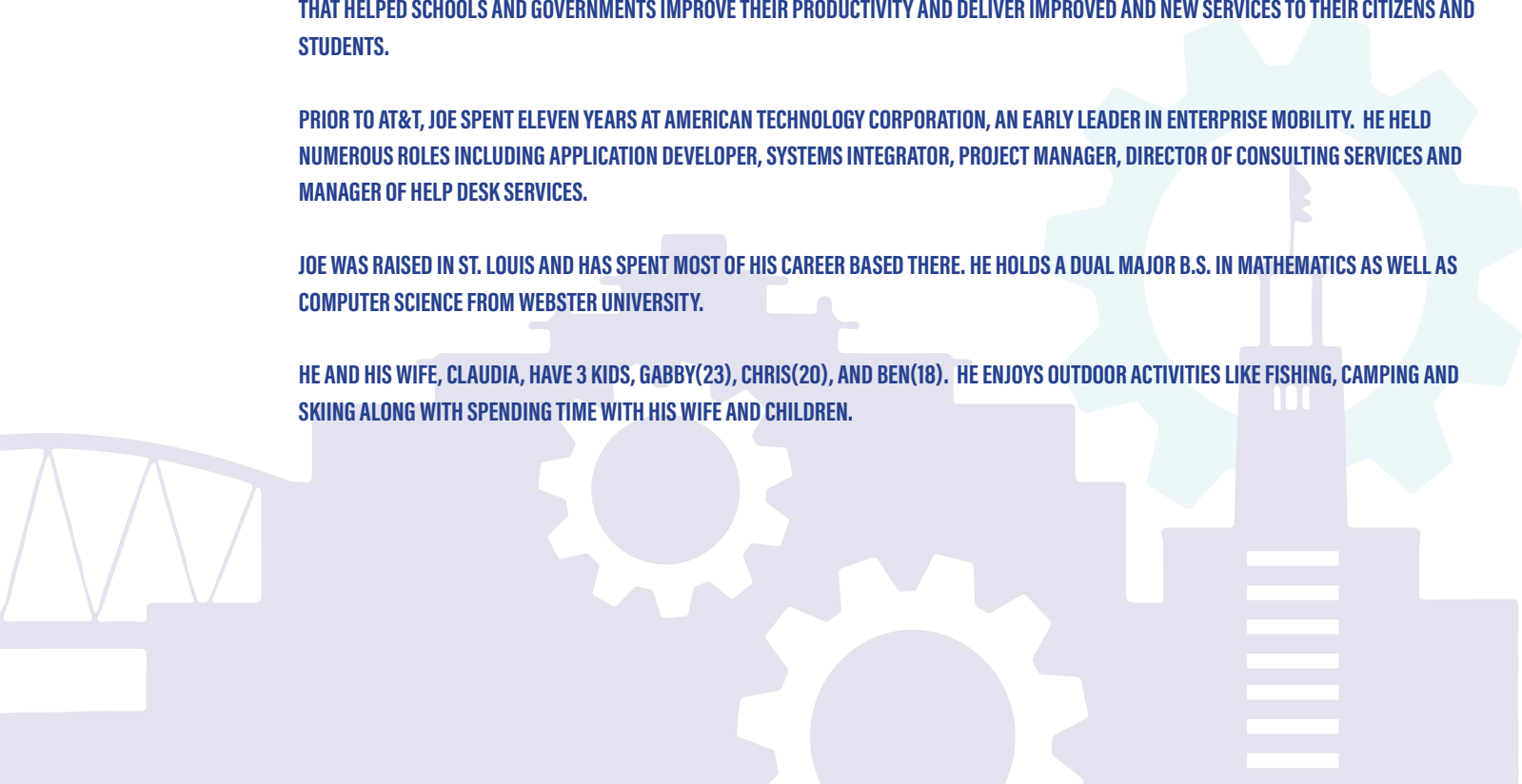
JOE PRESENTLY SERVES IN THE PUBLIC SECTOR GROUP AS A MOBILE FIELD SOLUTIONS CONSULTANT IN THE INTERNET OF THINGS ORGANIZATION WHERE HE FOCUSES ON FLEET AND ASSET MANAGEMENT SOLUTIONS ALONG WITH OUR MISSION CRITICAL PUSH TO TALK SOLUTIONS. THESE SOLUTIONS ARE USED ACROSS AT&T'S PUBLIC SECTOR CUSTOMERS TO IMPROVE OPERATIONS, INCREASE OPERATIONAL SAFETY AND REDUCE OVERALL COSTS. JOE HAS HELPED DEPLOY THESE SOLUTIONS TO SOME OF THE LARGEST STATE AND LOCAL ORGANIZATIONS IN THE COUNTRY SUCH AS THE CITY OF CHICAGO FLEET.

PRIOR TO THIS ROLE, JOE HAS HELD A NUMBER OF POSITIONS WITHIN AT&T'S PUBLIC SECTOR ORGANIZATION, ALWAYS FOCUSED ON THE MOBILE USERS. HE AND HIS TEAMS HAVE WORKED WITH LINE OF BUSINESS, IT AND EXECUTIVE LEADERSHIP TO DEFINE, DESIGN AND DEPLOY SOLUTIONS THAT HELPED SCHOOLS AND GOVERNMENTS IMPROVE THEIR PRODUCTIVITY AND DELIVER IMPROVED AND NEW SERVICES TO THEIR CITIZENS AND STUDENTS.

PRIOR TO AT&T, JOE SPENT ELEVEN YEARS AT AMERICAN TECHNOLOGY CORPORATION, AN EARLY LEADER IN ENTERPRISE MOBILITY. HE HELD NUMEROUS ROLES INCLUDING APPLICATION DEVELOPER, SYSTEMS INTEGRATOR, PROJECT MANAGER, DIRECTOR OF CONSULTING SERVICES AND MANAGER OF HELP DESK SERVICES.

JOE WAS RAISED IN ST. LOUIS AND HAS SPENT MOST OF HIS CAREER BASED THERE. HE HOLDS A DUAL MAJOR B.S. IN MATHEMATICS AS WELL AS COMPUTER SCIENCE FROM WEBSTER UNIVERSITY.

HE AND HIS WIFE, CLAUDIA, HAVE 3 KIDS, GABBY(23), CHRIS(20), AND BEN(18). HE ENJOYS OUTDOOR ACTIVITIES LIKE FISHING, CAMPING AND SKIING ALONG WITH SPENDING TIME WITH HIS WIFE AND CHILDREN.





SPEAKERS



MIKE DUNBAR

MIKE DUNBAR IS CHIEF REVENUE OFFICER OF REKOR SYSTEMS, INC. AS A LEADER IN DATA-DRIVEN TECHNOLOGY, MIKE HAS SPECIALIZED IN BUILDING MISSION-CRITICAL VIDEO SURVEILLANCE AND SECURITY SOLUTIONS FOR SAFE AND SMART ENVIRONMENTS THAT SERVE THE GENERAL PUBLIC. AT REKOR SYSTEMS, MIKE ASSISTS TRANSPORTATION AGENCIES, LAW ENFORCEMENT AGENCIES, AND GLOBAL BUSINESSES TO OVERCOME THE INCREASING CHALLENGES OF PLANNING, BUILDING, AND MANAGING THE SHIFT TO INTELLIGENT DIGITAL INFRASTRUCTURE. THE MISSION AT REKOR IS TO PROVIDE A DIGITAL INFRASTRUCTURE LAYER THAT CREATES SAFER, SUSTAINABLE, AND MORE EQUITABLE ROADWAYS.

WITH 30+ YEARS IN THE IT INDUSTRY, HIS CAREER STARTED IN THE U.S. MARINE CORPS, WHERE HE ADVANCED TO MANAGING GLOBAL COMPUTER DEFENSE OPERATIONS ON ENTERPRISE AND WAR-FIGHTING NETWORKS. HE ALSO SPENT TIME AT PIVOT3 WHERE HE HELPED GLOBAL BUSINESSES, SECURITY, AND IT TEAMS OVERCOME THE INCREASING CHALLENGES OF MANAGING VIDEO INFRASTRUCTURE, INCLUDING CITIES, MASS TRANSIT AND FEDERAL FACILITIES. MIKE HAS A MASTER'S DEGREE IN INFORMATION & TELECOMMUNICATIONS SYSTEMS MANAGEMENT FROM CAPITAL TECHNOLOGY UNIVERSITY AND A BACHELOR'S DEGREE IN MANAGEMENT SCIENCE & INFORMATION SYSTEMS AND A MINOR IN ECONOMICS FROM PENN STATE UNIVERSITY.



ROBERT EDELSTEIN

BOB IS A SENIOR VICE PRESIDENT OF AECOM SERVING AS GLOBAL ITS PRACTICE LEADER. HE HAS SERVED ON THE ITS AMERICA BOARD OF DIRECTORS SINCE 2018. THROUGHOUT HIS CAREER, HE HAS WORKED ON ALL PHASES OF ITS, TSMO, AND MULTIMODAL TRANSPORTATION PROJECTS IN THE UNITED STATES AND ABROAD. HE HAS PRESENTED AT NUMEROUS PROFESSIONAL CONFERENCES AND TESTIFIED BEFORE THE US SENATE TRANSPORTATION COMMITTEE ON THE "USE OF NEW TECHNOLOGIES TO ENHANCE INFRASTRUCTURE AND TRANSPORTATION ACROSS THE COUNTRY." HE EARNED A PHD IN TRANSPORTATION PLANNING AND ENGINEERING FROM THE POLYTECHNIC INSTITUTE OF NEW YORK, IS A LICENSED PROFESSIONAL ENGINEER, AND A CERTIFIED PROFESSIONAL TRAFFIC OPERATIONS ENGINEER.



KEITH HANGLAND

KEITH HANGLAND HAS FOCUSED HIS CAREER ON SUPPORTING THE DEPLOYMENT OF TECHNOLOGY FOR PUBLIC SECTOR TRANSPORTATION INDUSTRY. AS THE HEAD OF COMMERCIAL AT TERALYTICS, HE BRINGS A WEALTH OF EXPERIENCE AND A PROFOUND COMMITMENT TO ENHANCING TRANSPORTATION SYSTEMS THROUGH INNOVATIVE TECHNOLOGIES.

KEITH'S CAREER HAS BEEN MARKED BY HANDS-ON INVOLVEMENT IN TRANSPORTATION APPLICATIONS AND ANALYTICS, PARTICULARLY IN THE REALMS OF REAL-TIME SYSTEM MONITORING AND STRATEGIC SYSTEM PLANNING. HIS EXPERTISE HAS PLAYED A PIVOTAL ROLE IN SHAPING THE LANDSCAPE OF TRANSPORTATION, ENSURING THAT SYSTEMS ARE NOT ONLY EFFICIENT BUT ALSO RESPONSIVE TO THE DYNAMIC NEEDS OF TODAY'S INTERCONNECTED WORLD.



BLAKE HANSEN, PE, PTOE, PMP

BLAKE IS A TRANSPORTATION PROFESSIONAL WITH 25 YEARS OF EXPERIENCE HELPING AGENCIES PLAN FOR AND IMPLEMENT AND TRANSPORTATION SYSTEMS MANAGEMENT AND OPERATIONS (TSMO) AND ITS. HE HAS EXPERIENCE AND INTEREST IN ALL TYPES OF TRANSPORTATION TECHNOLOGY, ESPECIALLY IN THE ANTICIPATED BENEFITS AND IMPACTS OF CONNECTIVITY, AUTOMATION, AND ELECTRIFICATION. BLAKE IS A MEMBER OF THE TRB STANDING COMMITTEE ON REGIONAL TSMO, AND A NATIONAL RURAL ITS BOARD MEMBER. BLAKE RECEIVED BACHELOR AND MASTER OF SCIENCE DEGREES IN CIVIL ENGINEERING FROM THE UNIVERSITY OF UTAH.



JOHN HANSEN

SUBJECT MATTER EXPERT-TRANSPORTATION
OLSSON

42 YEARS IN TRANSPORTATION INDUSTRY EMPHASIS ON ITS AND RURAL INITIATIVES , FORMALLY THE PRESIDENT OF 2 ITS HELP FOR 22 YEARS, MARRIED TO WIFE DIANE WITH 3 CHILDREN, 8 GRAND CHILDREN, MEMBER OF THE NATIONAL COMMITTEE FOR MUTCD -22 YEARS AND 8 AS A DELEGATE FROM ITE, PRESIDENT OF THE ROCKY MOUNTAIN ITS CHAPTER, CHAIR OF THE LOCAL ITE TECHNICAL COMMITTEE, STEERING COMMITTEE FOR THE NATIONAL RURAL ITS GROUP 21 YEARS, NATIONAL TASK FORCE FOR CONNECTED AUTONOMOUS VEHICLES NATIONAL TASK FORCE FOR PART 5 OF THE MUTCD.



SYDNEE JOURNAL

SENIOR MANAGER, GOVERNMENT RELATIONS, AURORA

SYDNEE JOURNAL IS A SENIOR MANAGER, GOVERNMENT RELATIONS AT AURORA, A TECHNOLOGY COMPANY WORKING TO DELIVER THE BENEFITS OF SELF-DRIVING TECHNOLOGY SAFELY, QUICKLY, AND BROADLY. IN THIS CAPACITY, SYDNEE WORKS WITH STATE GOVERNMENT OFFICIALS, LOCAL LEADERS, AND COMMUNITY-BASED ORGANIZATIONS ACROSS THE UNITED STATES TO ADVANCE AURORA'S POLICY INITIATIVES. PRIOR TO AURORA, SYDNEE WAS THE CITY POLICY & GOVERNMENT AFFAIRS MANAGER AT WAYMO (FORMERLY GOOGLE'S SELF-DRIVING CAR PROJECT) AND ALSO SERVED AS THE ASSISTANT DIRECTOR OF COMMUNITY RELATIONS FOR STANFORD UNIVERSITY. BEFORE STANFORD, SHE WORKED FOR A LOCAL TRADE ASSOCIATION, THE SILICON VALLEY LEADERSHIP GROUP. OUTSIDE OF WORK, SYDNEE SERVES ON THE CALIFORNIA TRANSPORTATION FOUNDATION BOARD, PALO ALTO CHAMBER OF COMMERCE BOARD, AND THE MOUNTAIN VIEW CHAMBER COMMUNITY FOUNDATION. SYDNEE HOLDS AN MBA FROM THE YALE SCHOOL OF MANAGEMENT, AND AN MS & BS IN EARTH SYSTEMS FROM STANFORD UNIVERSITY



SPEAKERS



JAY LAFRANCE

MR. LAFRANCE IS THE VICE PRESIDENT OF BUSINESS DEVELOPMENT FOR DERQ USA. DERQ IS THE LEADER IN PROVIDING ADVANCED TECHNOLOGIES THAT UTILIZE ARTIFICIAL INTELLIGENCE (AI) TO IMPROVE TRAFFIC OPERATIONS AND SAFETY. WITH A DEGREE IN ELECTRICAL ENGINEERING AND COMPUTER SCIENCE HE HAS EXTENSIVE EXPERIENCE IN AI AND ADVANCED TECHNOLOGY FOR BOTH HARDWARE AND SOFTWARE. HIS CAREER HAS ENCOMPASSED ENGINEERING, MANAGEMENT, SALES, MARKETING, BUSINESS DEVELOPMENT, MERGERS AND ACQUISITIONS.

HIS EXPERIENCE IN AI INCLUDED CONVOLUTIONAL NEURAL NETWORKS (CNN) FOR ADVANCED IMAGING FOR MILITARY AND COMMERCIAL APPLICATIONS, NATURAL LANGUAGE (NL), EXPERT SYSTEMS (ES), OBJECT ORIENTED PROGRAMMING (OOP), NEURAL NETWORKS (NN) AND MORE. MR. LAFRANCE HAS BEEN INVOLVED IN TRADITIONAL COMPUTING ARCHITECTURES SUCH AS CLIENT-SERVER, CLOUD BASED, MULTI-TIERED, SOFTWARE VIRTUALIZATION, NETWORK STRUCTURES, AND INTERNET-OF-THINGS (IOT).

AS TRAFFIC SYSTEMS EVOLVE, THEY ARE BECOMING LESS ISOLATED AND MORE CONNECTED LIKE A MULTI-TIERED TRADITIONAL COMPUTING ARCHITECTURES. AS WELL, THEY ARE BECOMING MUCH MORE INTELLIGENT WITH THE IMPLEMENTATION OF ADVANCED TECHNOLOGIES SUCH AS AI. WITH 30+ YEARS IN THE IT INDUSTRY, HIS CAREER STARTED IN THE U.S. MARINE CORPS, WHERE HE ADVANCED TO MANAGING GLOBAL COMPUTER DEFENSE OPERATIONS ON ENTERPRISE AND WAR-FIGHTING NETWORKS. HE ALSO SPENT TIME AT PIVOT3 WHERE HE HELPED GLOBAL BUSINESSES, SECURITY, AND IT TEAMS OVERCOME THE INCREASING CHALLENGES OF MANAGING VIDEO INFRASTRUCTURE, INCLUDING CITIES, MASS TRANSIT AND FEDERAL FACILITIES. MIKE HAS A MASTER'S DEGREE IN INFORMATION & TELECOMMUNICATIONS SYSTEMS MANAGEMENT FROM CAPITAL TECHNOLOGY UNIVERSITY AND A BACHELOR'S DEGREE IN MANAGEMENT SCIENCE & INFORMATION SYSTEMS AND A MINOR IN ECONOMICS FROM PENN STATE UNIVERSITY.



BARRY MATLACK

BARRY MATLACK HAS OVER 25 YEARS OF LEADERSHIP EXPERIENCE IN TECHNOLOGY CONSULTING, BUSINESS DEVELOPMENT, AND OPERATIONS MANAGEMENT. OVER HIS CAREER, HIS FOCUS HAS BEEN ON BRINGING NEW TECHNOLOGIES RELATING TO QUALITY DATA CREATION AND MANAGEMENT INTO THE TRANSPORTATION MANAGEMENT SPACE. HIS PASSION FOR INNOVATIVE TECHNOLOGY HAS HELPED HIM TO SUCCESSFULLY LEAD EFFORTS WITH MULTIPLE START-UP COMPANIES IN THIS INDUSTRY, WITH A FOCUS ON BRINGING PRODUCT STRATEGIES TOGETHER FOR SCALABILITY AND CUSTOMER SUCCESS. MR. MATLACK HAS A BACHELOR OF SCIENCE FROM THE UNIVERSITY OF ADVANCING TECHNOLOGY IN TEMPE, ARIZONA



ROB MOWAT

ROB PARTNERS WITH CLIENTS AND HDR'S MULTIDISCIPLINARY TEAMS TO DEVELOP INITIATIVES FOR FLEET CONVERSION AND MODERNIZATION OF VARIOUS MODES OF TRANSPORT TO MEET LOCAL EMISSION GOALS. ROB HAS SPENT 30 YEARS IN THE TRANSPORTATION INDUSTRY, BEGINNING WITH MANAGING TRANSIT SYSTEMS THROUGHOUT THE WEST AND SOUTHWEST UNITED STATES. ROB BRINGS EXPERTISE IN NEW TRANSIT TECHNOLOGY TRANSITIONS AND THE SUCCESSFUL DEPLOYMENT OF FLEET ELECTRIFICATION AND MODERNIZATION.



MARK PITTMAN

MARK IS THE FOUNDER OF BLYNC SY AND THE DIRECTOR OF TRANSPORTATION AI AT BENTLEY SYSTEMS. MARK IS FOCUSED ON FINDING SMARTER, SAFER WAYS TO MOVE THE TRANSPORTATION INDUSTRY, AND ACCELERATE ARTIFICIAL INTELLIGENCE FOR ROADWAY SAFETY AND MAINTENANCE.



CARL RUNDELL

CARL RUNDELL IS A BIOMEDICAL ENGINEERING AND MATHEMATICS MAJOR FROM VANDERBILT UNIVERSITY. HE STARTED HIS CAREER AS A BUSINESS CONSULTANT AND METHODOLOGIST FOR ERNST & YOUNG CONSULTING BEFORE BECOMING AN SERIAL ENTREPRENEUR IN THE AREA OF ALL THINGS TECHNOLOGY. HEAVILY INVOLVED IN THE TRANSPORTATION INDUSTRY EARLY ON, IT WAS A NATURAL PROGRESSION TO LOOK AT HOW IOT CAN MAKE IMPACT IN THIS INDUSTRY. AS THE CEO OF TSIS HE HAS HELPED LOOK AT LATEST DEVELOPMENTS IN ARCHITECTURES, TECHNOLOGIES, AND APPLICATIONS AS THE COMPANY CONTINUES TO BUILD OUT ITS NORTH AMERICAN TRUCK PARKING AVAILABILITY NETWORK.



JERRY VALDEZ

JERRY VALDEZ HAS OVER 30 YEARS OF EXPERIENCE IN PUBLIC AND PRIVATE SECTOR MANAGEMENT AND HAS BEEN WORKING FOR THE STATE OF NEW MEXICO FOR 13 YEARS. HE IS CURRENTLY A SENIOR EXECUTIVE WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION WHERE HE SERVES AS THE NMDOT PRIMARY POINT-OF-CONTACT FOR TRANSPORTATION RELATED SPECIAL PROJECTS THAT SPAN MULTIPLE GOVERNMENTAL, TRIBAL, AND ECONOMIC REGIONS. HE ALSO MANAGES DIVISIONS AND BUREAUS RELATED TO MULTIMODAL PLANNING AND PROGRAMS, DATA MANAGEMENT, RESEARCH, STATE-WIDE FACILITIES & CAPITAL INVESTMENTS, AND GENERAL OFFICE BUILDINGS AND GROUNDS.



EXHIBITORS

AECOM

FAFL

**AM
SIGNAL**

**COSTAR
HD
VIDEO SYSTEMS**

CUBICTM
Transportation Systems

Drivewyze[®]

Gades
Sales Co. Inc.

TRAFFIC CONTROL SPECIALISTS
www.gadestraffic.com


HOLOPHANE[®]
An Acuity Brands Company

iteris[®]





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 **TERALYTICS**



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ORTS



ITS

NEW MEXICO
intelligent transportation society

THANK YOU

FOR ATTENDING ITS NEW MEXICO'S ANNUAL MEETING!

