



ONLINE PROGRAM PROCEEDINGS

Please use this document to locate the session and/or speaker from the ITS America 2009 Annual Meeting & Exposition.

Please note: If you are unable to locate a presentation or paper, either the speaker did not provide a presentation or may not have given ITS America the right to use their presentation or paper in the Online Proceedings.

SESSION TITLE	DATE/TIME/ROOM	MODERATOR	SPEAKERS:			
PLENARY SESSIONS						
Opening Plenary: A New Era in Transportation – A Federal Perspective	Monday, June 1 10:00 A.M. – 12:00 P.M. Room: Potomac A	Randell H. Iwasaki, Chief Deputy Director, California Department of Transportation	Peter Appel, Administrator, Research and Innovative Technology Administration (RITA), U.S. Department of Transportation (DOT)	Robert M. Sussman, Senior Policy Counsel, Environmental Protection Agency	Aneesh Chopra, U.S. Chief Technology Officer; Associate Director of Technology, White House Office of Science and Technology Policy	
U.S. Department of Transportation Plenary Session: U.S. DOT Programs Update	Tuesday, June 2 10:00 A.M. - 11:30 A.M. Room: Potomac A	Peter Appel, Administrator, Research and Innovative Technology Administration, U.S. DOT	Shelley Row, Director, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT	Jeff Lindley, Associate Administrator for Operations Safety, Federal Highway Administration, U.S. DOT	Ron Medford, Senior Associate Administrator, National Highway Traffic Safety Administration, U.S. DOT	Vince Valdes, Associate Administrator for Research, Demonstration and Innovation, Federal Transit Administration, U.S. DOT Rose McMurray, Acting Deputy Administrator, Federal Motor Carrier Safety Administration, U.S. DOT
Closing Plenary: A New Era in Transportation – A Congressional Perspective	Wednesday, June 3 9:00 A.M. – 10:30 A.M. Room: Potomac A	Michael Huerta, President, MPH Consulting, LLC	Ray LaHood, Secretary, U.S. Department of Transportation	Earl Blumenauer (D-OR), Vice-Chair, Select Committee on Energy Independence and Global Warming, Member, House Ways and Means Committee and House Budget Committee	Russ Carnahan (D-MO), Member, House T&I Committee and House Science and Technology Committee	Edward G. Rendell, Governor, Pennsylvania
EXECUTIVE SESSIONS						
ES01: Paying for a 21st Century Transportation System	Monday, June 1 1:30 P.M. - 3:00 P.M. Room: Potomac B	Michael Huerta, President, MPH Consulting, LLC	Robert Atkinson, President, The Information Technology & Innovation Foundation; Chair, National Surface Transportation Infrastructure Financing Commission	Paul Brubaker, Internet Business Solutions Group, Cisco Systems, Inc.	Martin Fleming, Vice President, Corporate Strategy, IBM Corp.	Jack Schenendorf, Vice Chairman, National Surface Transportation Policy and Revenue Study Commission John Horsley, Executive Director, American Association of State Highway and Transportation Officials
ES02: Chief Technology Officer (CTO) Roundtable	Monday, June 1 3:30 P.M. - 5:00 P.M. Room: Potomac B	Gary Duncan, Chief Technology Officer, Econolite	Tim Schmidt, Chief Technology Officer, U.S. DOT	John Walker, Chief Technology Officer, CSC	Rod MacKenzie, Vice President of Programs and Chief Technology Officer, Intelligent Transportation Society of America	Naveen Lamba, Global Industry Lead, Intelligent Transportation, IBM

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ES03: State Perspectives on IntelliDrive SM	Tuesday, June 2 8:00 A.M. - 9:30 P.M. Room: Potomac B	John Horsley, Executive Director, American Association of State Highway and Transportation Officials	Randell H. Iwasaki, Chief Deputy Director, California Department of Transportation	Theodore Trepanier, State Traffic Engineer, Washington Department of Transportation	Gary McVoy, Director, Office of Operations, New York State Department of Transportation	Connie Sorrell, Chief of Systems Operations, Virginia Department of Transportation
ES04: US/Canadian Border Challenges and the Role of ITS	Tuesday, June 2 10:00 A.M. - 11:30 A.M. Room: Potomac B	Carl Kuhnke, Executive Director, ITS Canada	Barry Pekilis, Senior Research Director, Transport Canada	Paul Arvanitidis, Counsellor, Embassy of Canada, Washington, DC	Tony Furst, Director, Office of Freight Management, Federal Highway Administration	Julie Lane, CVISN Program Manager, Office of Analysis, Research and Technology, Federal Motor Carrier Safety Administration
ES05: IntelliDrive SM : The Partners Look At What's Next	Tuesday, June 2 12:30 P.M. - 2:00 P.M. Room: Potomac B	John Njord, Executive Director, Utah Department of Transportation	Shelley Row, Director, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT	John Horsley, Executive Director, American Association of State Highway and Transportation Officials	Luca Delgrossi, Group Manager, Vehicle-Centric Communications, U.S. , Daimler	Greg Krueger, Statewide ITS Program Manager, Michigan Department of Transportation
ES07: State Transportation Officials: Metropolitan Washington Regional Transportation Challenges and Strategic Vision	Tuesday, June 2 2:30 P.M. - 4:00 P.M. Room: Potomac A	David Ekern, Commissioner, Virginia Department of Transportation	Neil Pedersen, Administrator, Maryland State Highway Administration	Pierce Homer, Secretary of Transportation, Virginia Department of Transportation	Gabe Klein, Director, District Department of Transportation	Ronald Kirby, Transportation Planning Director, Washington Metropolitan Council of Governments
ES08: USDOT Talks about IntelliDrive SM	Tuesday, June 2 4:30 P.M. - 6:00 P.M. Room: Potomac B	Shelley Row, Director, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT	Terry Shelton, Associate Administrator, Federal Motor Carrier Safety Administration, U.S. DOT	Mike Trentacoste, Associate Administrator, Research, Development and Technology, Federal Highway Administration, U.S. DOT	John Maddox, Associate Administrator for Vehicle Safety Research, National Highway Safety Administration, U.S. DOT	Mike Schagrin, Program Manager, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT
ES09: Reauthorization and ITS – A Stakeholder Perspective	Wednesday, June 3 11:00 A.M. - 12:30 P.M. Room: Potomac A	David St. Amant, President and COO, Econolite; Chair, ITS America Policy and Business Council	Arthur Guzzetti, Vice President, Policy, American Public Transportation Association (APTA)	Jill Ingrassia, Managing Director, Government Relations and Traffic Safety, AAA	Tony Kane, Director of Engineering and Technical Services, AASHTO	Kerry E. O'Hare, Senior Policy Advisor, Building America's Future James Corless, Executive Director, Transportation for America
ES10: The Role of International Standards in Intelligent Transportation Systems	Wednesday, June 3 2:00 P.M. - 3:30 P.M. Room: Potomac A	Michael Noblett, Vice President, Connexis	Shelley Row, Director, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT	Julie Abraham, Director of International Policy and Harmonization, National Highway Traffic Safety Administration, U.S. DOT	Young-Jun Moon, Research Fellow, The Korea Transport Institute	

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CONGRESSIONAL FACT FINDING						
Smart Roads, Livable Communities: ITS Solutions for a Sustainable Transportation Future	Monday, June 1 1:30 - 3:00 p.m. Room: Chesapeake F	Danielle Baussan, Select Committee on Energy Independence and Global Warming Counsel	T. Russell Shields, Chair, Ygomi LLC	Gerry Mooney, General Manager, Global Government and Education, IBM Corporation	James Corless, Executive Director, Transportation for America (T4)	Dana Christensen, Director of Energy and Engineering Sciences, Oak Ridge National Labs Lawrence Yermack, President, Telvent North America
The Future of a Vehicle Miles Traveled (VMT)-based User Fee	Tuesday, June 2 10:00 - 11:30 a.m. Room: Chesapeake F	Jackie Schmitz, House Transportation and Infrastructure (T&I) Committee, Legislative Assistant, Majority House T&I Committee Dan Veoni, House Transportation and Infrastructure (T&I) Committee, Professional Staff Member, Minority House T&I Committee	Robert D. Atkinson, President, Information Technology and Innovation Foundation	Naveen Lamba, Global Industry Lead, Intelligent Transportation, IBM Corporation Bern Grush, Chief Scientist, Skymeter Corporation	Robert Bertini, Director Oregon Transportation Research and Education Consortium, Portland State University Ray A. Starr, Assistant State Traffic Engineer – ITS, Minnesota Department of Transportation	Chris Murray, President, Mark IV IVHS Jim March, Office of Policy and Governmental Affairs, Federal Highway Administration, U.S. DOT
Performance Measures for ITS: Assessing the Impact of ITS on Surface Transportation Systems	Tuesday, June 2 12:30 - 2:00 p.m. Room: Chesapeake F	Meghan Housewright, House Science and Technology Committee	Ann Flemer, Deputy Director for Operations, Metropolitan Transportation Commission	Dwight Jordan, Business Development Manager, PIPS Technology, Federal Signal Corporation	James Pol, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT(invited)	Philip J. Tarnoff, Director, Center for Advanced Transportation Technology, University of Maryland
Advances in Automotive and Commercial Vehicle Safety Technologies	Tuesday, June 2 2:30 - 4:00 p.m. Room: Chesapeake F	Anna Laitin, Professional Staff Member, House Energy and Commerce Committee (Invited)	Paul Schmitt, Manager, Customer Site, Hybrid Powertrain and Active Safety Control Systems	Peter Sweatman, Director, University of Michigan Transportation Research Institute	Jerry Gabbard, Vice President & General Manager, NAFTA Region	
FORUM SHOWCASES						
Cross Cutting Forum Meeting	Tuesday, June 2 2:30 - 4:00 p.m. Room: Chesapeake A	Bruce Eisenhart, Consensus Systems Technology Corporation, Forum Chair				
Mobility of Goods Forum Meeting	Tuesday, June 2 8:00 A.M. - 9:30 P.M. Room: Chesapeake A	Dan Murray American Transportation Research Institute, Forum Chair				
Mobility of People Forum Meeting	Monday, June 1 3:30 P.M. - 5:00 P.M. Room: Chesapeake A	Steve Corbin, IBI Group, Forum Chair				
Safety Forum Meeting	Monday, June 1 1:30 P.M. - 3:00 P.M. Room: Chesapeake A	Peter Sweatman, University of Michigan Transportation Research Institute, Forum Chair				

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Sustainability Forum Meeting	Tuesday, June 2 12:30 P.M.- 2:00 P.M. Room: Chesapeake A	Louis Neudorff, Iteris, Forum Chair				
SPECIALTY SESSION						
ITS Annual Meeting Technical Demonstrations: Behind the Scenes	Monday, June 1 3:30 P.M. – 5:00P.M. Room: Chesapeake F	Ken Earnest, Chair, ITS America Demonstrations Subcommittee, Virginia Department of Transportation	Dick Schnacke, Vice President, TransCore	Norman Hunt, President, CoVal Systems	Casey Crabtree, ITS Market Manager, Daktronics Dmitri Khijniak - Director of Product Management and System Engineering, Kapsch TrafficCom	Mike Brown, Principal Engineer, Southwest Research Institute Bob Le Sueur – Regional Sales Manager, Sensys Networks
CROSS-CUTTING SPECIAL SESSIONS						
SS04: Acquiring and Testing Systems Using ITS Standards	Monday, June 1 1:30 P.M. – 3:00 P.M. Room: Chesapeake 6	Steve Sill, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT	Blake Christie, Noblis	Jeris White, Noblis	Bob Rausch, TransCore	
SS11: Road Weather Information Systems & Applications: Federal Research Activities	Monday, June 1 3:30 P.M. – 5:00 P.M. Room: Chesapeake E	Paul Pisano, FHWA, U.S. DOT	Chris Cluett, Battelle	Leon Osborne, Meridian	Roemer Alfelor, FHWA, U.S. DOT	C.Y. David Yang, FHWA, U.S. DOT Sam Williamson, NOAA
SS12: Road Weather Information Systems & Applications: Federal Program Updates	Tuesday, June 2 8:00 A.M. – 9:30 A.M. Room: Chesapeake 4	Arthur Handman, Consultant	Mike Chapman, NCAR	Deepak Gopalakrishna, Battelle	David Helms, NOAA	
SS13: ITS Standards Program: Strategic Planning for a Connected Future	Tuesday, June 2 8:00 A.M. – 9:30 A.M. Room: Chesapeake 5	Steve Sill, ITS Joint Program Office, RITA, U.S. DOT	Ann Diephaus, Noblis	Thomas Kurihara, IEEE	Justin McNew, Kapsch TrafficCom Inc.	Greg Krueger, Michigan Department of Transportation
SS17: I-95 Corridor Coalition Vehicle Probe Project	Tuesday, June 2 8:00 A.M. – 9:30 A.M. Room: Chesapeake C	William Stoeckert, I-95 Corridor Coalition	Rick Schuman, Inrix	Richard Dye, Maryland State Highway Administration	James Hogan, New Jersey DOT	Jo Ann Oerter, North Carolina DOT
SS18: U.S. DOT's Clarus Initiative Update	Tuesday, June 2 10:00 A.M. – 11:30 A.M. Room: Chesapeake 4	Andrew Stern, NOAA	Ben McKeever, ITS Joint Program Office, RITA, U.S. DOT	Brenda Boyce, Mixon Hill	Leon Osborne, Meridian	Chris Cluett, Battelle
SS21: Regional Real-Time Data Integration	Tuesday, June 2 10:00 A.M. – 11:30 A.M. Room: Chesapeake A	Mike Haas, Open Roads Consulting	Joseph Brahm, Delcan	William James, Missouri DOT	Stephany Hanshaw, Virginia DOT	Jason Sims, Missouri DOT Robert Rupert, FHWA , U.S. DOT

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SS24: U.S. DOT's National ITS Architecture Program	Tuesday, June 2 12:30 P.M. – 2:00 P.M. Room: Chesapeake 4	Steve Sill, ITS Joint Program Office, RITA, U.S. DOT	Clifford Heise, Iteris, Inc.	David Binkley, Lockheed Martin	Ron Ice, Ice and Associates	Arthur T. O'Connor, FHWA, U.S. DOT
SS28: Leveraging Transportation Operations to Achieve Broader Objectives	Tuesday, June 2 12:30 P.M. – 2:00 P.M. Room: Chesapeake D	Darren G. Buck, FHWA, U.S. DOT	Jeffrey Lindley, FHWA, U.S. DOT	Doug Noble, Institute of Transportation Engineers	Michelle Birdsall, Institute of Transportation Engineers	Wayne Berman, FHWA, U.S. DOT
SS33: Identifying Real-Time Traveler Information Research Needs to Achieve All Modes-All Roads-All the Time: Results from the TRB ITS Committee Workshop	Tuesday, June 2 2:30 P.M. – 4:00 P.M. Room: Chesapeake C	Jane Lappin, Volpe National Transportation Systems Center, RITA, U.S. DOT	Ben McKeever, ITS Joint Program Office, RITA, U.S. DOT	Jon Bottom, Steer Davies Gleave	James Pol, ITS Joint Program Office, RITA, U.S. DOT	
SS37: ITS Research in the US	Tuesday, June 2 4:30 P.M. – 6:00 P.M. Room: Chesapeake G	Joseph Peters, FHWA, U.S. DOT	Robert Ferlis, FHWA, U.S. DOT	Walt Kulyk, FTA, U.S. DOT	Ray Resendes, NHTSA, U.S. DOT	John Augustine, ITS Joint Program Office, RITA, U.S. DOT Chris Flanigan, FMCSA, U.S. DOT
SS39: Integrated Corridor Management	Tuesday, June 2 4:30 P.M. – 6:00 P.M. Room: Chesapeake E	Dale Thompson, FHWA, U.S. DOT	Vassili Alexiadis, Cambridge Systematics	Koorosh Olyai, Dallas Area Rapid Transit	Dale Thompson, FHWA, U.S. DOT	Kris Balaji, JACOBS
SS45: Performance Measures and Technology	Wednesday, June 3 11:00 A.M. – 12:30 P.M. Room: Chesapeake A	Bob Arnold, FHWA, U.S. DOT	Philip Tarnoff, University of Maryland	Jeff Price, Virginia DOT	Rich Margiotta, Cambridge Systematics	Valentin Vulov, Georgia Regional Transportation Authority
MOBILITY OF GOODS SPECIAL SESSIONS						
SS02: Federal Highway Administration	Monday, June 1 1:30 P.M. – 3:00 P.M. Room: Chesapeake 8	Mike Onder, FHWA, U.S. DOT	Brian Heath, Intelligent Imaging Systems	Tom Kearney, FHWA, U.S. DOT	John Nicholas, FHWA, U.S. DOT	Jeff Loftus, FMCSA, U.S. DOT
SS08: Federal Motor Carrier Safety Administration	Monday, June 1 3:30 P.M. – 5:00 P.M. Room: Chesapeake 8	Julie Lane, FMCSA, U.S. DOT	Ralph Craft, FMCSA, U.S. DOT	Jeff Loftus, FMCSA, U.S. DOT	Chris Flanigan, FMCSA, U.S. DOT	Bryan Price, FMCSA, U.S. DOT
SS19: Truck Productivity	Tuesday, June 2 10:00 A.M. – 11:30 A.M. Room: Chesapeake 5	Kate Hartman, ITS Joint Program Office, RITA, U.S. DOT	Darrin Roth, American Trucking Association	Leslie Blakey, America's Gateways and Trade Corridors	Skip Yeakel, Volvo	Randy Walker, Oak Ridge National Labs
SS25: Commercial Vehicle Identification: Technologies (Part 1)	Tuesday, June 2 12:30 P.M. – 2:00 P.M. Room: Chesapeake 5	Steve Keppler, Commercial Vehicle Safety Alliance	Brian Heath, Intelligent Imaging Systems	Bob Moore, Kapsch	Joe Crabtree, Kentucky Transportation Center	Taso Zografos, SAIC

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SS30: Vehicle Identification: Operations and Business (Part 2)	Tuesday, June 2 2:30 P.M. – 4:00 P.M. Room: Chesapeake 5	Steve Keppler, Commercial Vehicle Safety Alliance	Bob Kreeb, Booz Allen Hamilton	Lauri Brady, PrePass	Taso Zografos, SAIC	
SS36: Future of Truck Inspections	Tuesday, June 2 4:30 P.M. – 6:00 P.M. Room: Chesapeake 5	Steve Vaughn, SJV Consulting Inc.	Bob Kreeb, Booz Allen Hamilton	Jerry Ward, Zonar	Ram Kandarpa, Booz Allen Hamilton	Jeff Loftus, FMCSA, U.S. DOT
SS48: Truck Parking	Wednesday, June 3 2:00 P.M. – 3:30 P.M. Room: Chesapeake 4	Dan Murray, American Transportation Research Institute	Ed Miller, Maryland Department of Transportation	Mary Grace Parker, I-95 Coalition	Jeremy Wolstan, NAVTEQ	
MOBILITY OF PEOPLE SPECIAL SESSIONS						
SS03: State of the Practice and Recent Advances in Traveler Information:: Part 1	Monday, June 1 1:30 P.M. – 3:00 P.M. Room: Chesapeake G	Connie Jing Li, TrafficCast International, Inc.	JD Margulici, California Center for Innovative Transportation	Neal Campbell, TrafficCast International	Richard Mudge, Delcan Corporation	Gerry Tumbali, City of Chicago, Regional Transit Authority
SS14: USDOT Congestion Initiative - Panel Session of selected demo sites	Tuesday, June 2 8:00 A.M. – 9:30 A.M. Room: Chesapeake G	Brian, Cronin, ITS Joint Program Office, RITA, U.S. DOT	Patrick Vu, Georgia State Road and Toll Authority	Angela Jacobs, FHWA, U.S. DOT	Shauna Callow, Metropolitan Transportation Commission	Wendi Walsh, Parsons Brinckerhoff
SS20: Mobility Management-A Look at the Mobility Services for All Americans Initiative	Tuesday, June 2 10:00 A.M. – 11:30 A.M. Room: Chesapeake E	Yehuda Gross, ITS Joint Program Office, RITA, U.S. DOT	Doug Jamison, Orlando, FL/Central Florida Regional Transportation Authority	Carrie Butler, Louisville, KY/Transit Authority of Rive City	Deepak Gopalakrishna, Battelle	
SS26: Transit Technology to Serve The Needs of Seniors *sponsored by AARP	Tuesday, June 2 12:30 P.M. – 2:00 P.M. Room: Chesapeake E	Lisa Ballard, Current Transportation Solutions	Liz Bradley, AARP	Raj Wagley, FTA, U.S. DOT		
SS31: Transit ITS Developments: Innovative Uses of Technology to Enhance Public Transportation	Tuesday, June 2 2:30 P.M. – 4:00 P.M. Room: Chesapeake 6	Greg Cook, Veolia Transportation	Brendon Hemily, Public Transportation Consultant	Max Donath, University of Minnesota	Suzanne Sloan, Volpe Center, RITA, U.S. DOT	
SS42: State of the Practice and Recent Advances in Traveler Information:: Part 2	Wednesday, June 3 11:00 A.M. – 12:30 P.M. Room: Chesapeake 5	Ben McKeever, ITS Joint Program Office, RITA, U.S. DOT	Ram Kandarpa, Booz Allen Hamilton	Bob Rupert, FHWA, U.S. DOT	Bob Previdi, Thomson Consulting	Lisa Burgess, Kimley-Horn
SS49: Long-distance Passenger Travel Information in the I-95 Corridor: How do I get there from here?	Wednesday, June 3 2:00 P.M. – 3:30 P.M. Room: Chesapeake 5	William Stoeckert, I-95 Corridor Coalition	Matthew Coogan, Consultant in Transportation	Michael Harris, Virginia Department of Rail and Public Transportation	Jim Davis, New York State DOT	

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SAFETY SPECIAL SESSIONS						
SS09: Integrated Vehicle Based Safety System (IVBSS) Initiative	Monday, June 1 3:30 P.M. – 5:00 P.M. Room: Chesapeake C	Steve Sill, ITS Joint Program Office, RITA, U.S. DOT	Jack Ference, NHTSA, U.S. DOT	James Sayer, UMTRI	David Leblanc, UMTRI	Emily Nodine, Volpe National Transportation Systems Center
SS15: Intelligent Transportation Applications to Driver Wellness and Well-being	Tuesday, June 2 8:00 A.M. – 9:30 A.M. Room: Chesapeake E	Joseph Coughlin, MIT New England University Transportation Center	Maya Abou Zeid, MIT	Bryan Reimer, MIT	Tom Warden, Allstate Insurance (invited)	
SS23: Next Generation 9-1-1	Tuesday, June 2 10:00 A.M. – 11:30 A.M. Room: Chesapeake 8	Ray Fisher, Colorado State Patrol	Linda Dodge, ITS Joint Program Office, RITA, U.S. DOT	John Chermionte, Booz Allen Hamilton	Roger Hixon, National Emergency Number Association	
SS27: IntelliDrive SM : Results from Research to Date	Tuesday, June 2 12:30 P.M. – 2:00 P.M. Room: Chesapeake G	Mike Schagrin, ITS Joint Program Office, RITA, U.S. DOT	Bill Mahoney, National Center for Atmospheric Research	Tom Schaffnit, Honda	Ram Kandarpa, Booz Allen Hamilton	Mike Shulman, Ford
SS29: IntelliDrive SM , Telematics, Vehicle Communications, and Aftermarket Integration of Radio and Safety Equipment for Vehicles	Tuesday, June 2 2:30 P.M. – 4:00 P.M. Room: Chesapeake 4	Justin McNew, Kapsch	Scott Propp, Motorola	Dmitri Khijniak, Kapsch	Ravi Puvvala, Savari Networks	James Misener, California Partners for Advanced Transit and Highways Ralph Robinson, UMTRI
SS32: IntelliDrive SM : The Next Generation Program	Tuesday, June 2 2:30 P.M. – 4:00 P.M. Room: Chesapeake 8	Mike Schagrin, ITS Joint Program Office, RITA, U.S. DOT	Ray Resendes, NHTSA, U.S. DOT	Greg Davis, FHWA, U.S. DOT	Valerie Briggs, ITS Joint Program Office, RITA, U.S. DOT	Tim Schmidt, USDOT
SS38: Dual Deployment of ITS for Safety and Security	Tuesday, June 2 4:30 P.M. – 6:00 P.M. Room: Chesapeake D	Carol Thielman, Open Roads	Carol Thielman, Open Roads	Bill Cannell, Virginia DOT	Perry Cogburn, Virginia DOT	Jeff Caldwell, Virginia DOT
SS43: From East to West: SafeTrip 21 Initiative Update	Wednesday, June 3 11:00 A.M. – 12:30 P.M. Room: Chesapeake 6	Gary Ritter, ITS Joint Program Office, RITA, U.S. DOT	William Stoeckert, I-95 Corridor Coalition	Matthew Coogan, Consultant in Transportation W. Todd Kell, PBS&J	Greg Larson, California Department of Transportation Tom West, California Center for Innovative Transportation	Raja Sengupta, University of California, Berkeley James Misener, California Partners for Advanced Transit and Highways
SS50: Rural Safety Initiative: Partnerships and Innovations in Rural ITS	Wednesday, June 3 2:00 P.M. – 3:30 P.M. Room: Chesapeake 6	Linda Dodge, ITS Joint Program Office, Research and Innovative Technology Administration, U.S. DOT	Theodore Smith, Noblis	John Corbin, Wisconsin Department of Transportation	Pete Hansra, California Department of Transportation	

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SUSTAINABILITY SPECIAL SESSIONS						
SS10: Measure for Measure: Can Transportation Fund Climate Change Policy?	Monday, June 1 3:30 P.M. – 5:00 P.M. Room: Chesapeake D	John Peracchio, Peracchio and Company, LLC	Thomas Richichi, Beveridge and Diamond, PC	Dario Hidalgo, EMBARQ, The WRI Center for Sustainable Transport	Jim DiSanto, Earthrise Technologies	
SS22: Tread Lightly: Improve Your Organization's Carbon Footprint	Tuesday, June 2 10:00 A.M.–11:30 A.M. Room: Chesapeake 6	Lou Neudorff, Iteris, Inc.	Kati Price, The Climate Registry	Jordan Stanger, Telvent	Steve Harper, Intel	
SS44: Breathe Deep: Transportation Technologies to Measure/Monitor Air Quality	Wednesday, June 3 11:00 A.M.–12:30 P.M. Room: Chesapeake 8	April Marchese, Federal Highway Administration, U.S. DOT	Farhad Pooran, Telvent	Thomas Bauer, PTV America	Sebastian Gutierrez, Case Systems	Mike Clance, Siemens
EMERGINIG TOPICS SPECIAL SESSIONS						
SS01: Partnerships for Leveraging ITS as Part of State and Regional Strategies for Metro Washington	Monday, June 1 1:30 P.M. – 3:00 P.M. Room: Chesapeake 5	Gummada Murthy, Virginia DOT	onnie Sorrell, Virginia DOT	Neil Pederson, Maryland State Highway Agency		
SS07: An After Action Review of the Inauguration's Transportation Management Efforts	Monday, June 1 3:30 P.M. – 5:00 P.M. Room: Chesapeake 6	Gummada Murthy, Virginia DOT	James G. Austrich, Washington D.C. Metropolitan Police Department	Richard Steeg, Virginia DOT	Thomas Phillips, Virginia DOT Alvin Marquees, Maryland State Highway Administration	William Stoeckert, I-95 Corridor Coalition Soumya Dey, District DOT
SS34: Marketing ITS: Achieving Public Awareness and Buy-in	Tuesday, June 2 4:30 P.M. – 6:00 P.M. Room: Chesapeake 6	Hubert Clay, Delcan	John Undeland, Strat@Comm	Lori Gale, FastLane Hires	Michael Kinney, Montgomery County (MD) DOT	Thomas Jacobs, University of Maryland Ian Grossman, AAMVA
SS35: Emergency Response and Technology – A New Look	Tuesday, June 2 4:30 P.M. – 6:00 P.M. Room: Chesapeake 4	Connie Sorrell, Virginia DOT	David Ekern, Virginia DOT	Richard Dye, Maryland State Highway Administration	Jerry Napolitano, Motorola	Laurel Radow, FHWA, U.S. DOT
SS46: Metropolitan Area Transportation Operations Coordination Program	Wednesday, June 3 11:00 A.M. – 12:30 P.M. Room: Chesapeake 9	Richard Steeg, Virginia DOT	Mark Miller, WMATA	Mike Zezeski, Maryland State Highway Administration	Souyma Dey, District DOT	Michael Pak, University of Maryland Buddy Ey, Telvent Farradyne Inc.
SS47: Paying for Transportation: The Technical Side of Financing	Wednesday, June 3 2:00 P.M. – 3:30 P.M. Room: Chesapeake C	Robert Sheehan, FHWA, U.S. DOT	Michael McGurrin, Noblis	James March, FHWA, U.S. DOT	Bob Frank, Kapsch	

TECHNICAL/SCIENTIFIC SESSIONS						
SESSION TITLE	DATE/TIME/ROOM	MODERATOR	SPEAKERS:			
TS01: Weather Management and Information	Monday, June 1 1:30 P.M. - 3:00 P.M.	Erin Flanigan, Cambridge Systematics	9005: IntellidriveSM Road Weather Research & Development—The Weather Data Translator Sheldon Drobot, National Center for Atmospheric Research	9006: System Engineering the Clarus Multi-State Regional Demonstration for Phase 3 Jeff Brummond, Iteris	9007: The U.S. DOT's CLARUS Regional Demonstrations Paul Pisano, Federal Highway Administration, U.S. Department of Transportation	9145: The Synergy of Road Weather Information and Near Real-Time Traffic Data Jon Tarleton, Quixote Transportation Technologies
TS02: Freight and Commercial Vehicles	Monday, June 1 1:30 P.M. - 3:00 P.M.	Pete Costello, INRIX	9009: Framework Concept for A Comprehensive Electronic Freight Data Management System Patrick Kerr, URS Corporation	9137: GPS Probe Data Collection: Otay Mesa Case Study Paul Bellela, Delcan	9138: Application of Advanced Compliance Technologies for Freight Management Michael Akridge, MT Akridge Consultant Services	
TS03: Innovative Applications of Simulation	Monday, June 1 3:30 P.M. - 5:00 P.M.	Vassili Alexiadis, Cambridge Systematics	9034: An Overview of TAT Volume IX: Work Zone Modeling and Analysis— A Guide for Analysts Matthew Hardy, Noblis	9035: Investigating the Effects of Travel Time Patterns on Predictability Seri Park, Tetra Tech	9036: Modeling of Multimodal Transportation Network in GIS Qiang Li, Daniel Consultants, Inc.	9136: Linking On-line Simulation Tools with ATMS Deployment for Intelligent, Predictive TMS Dan Lukasik, Delcan Corporation
TS04: Applications of Systems Engineering and Architecture to ITS	Monday, June 1 3:30 P.M. - 5:00 P.M.	Robert Rausch, TransCore	9065: Environmentally Viewing ITS through the National ITS Architecture Azra Ghassemi, Iteris	9066: Virginia ITS Architectures—Keeping Pace with Change and Guiding the Future Chris Francis, Virginia Department of Transportation	9072: ITS Planning and Regional Architecture Update in Minnesota Rashmi Brewer, Minnesota Department of Transportation	9119: Corridor-Level ITS Architectures and Their Utility in Corridor System Management Planning Ray Starr, Minnesota Department of Transportation
TS05: Cost, Benefit, and Performance Evaluation: Part 1	Monday, June 1 3:30 P.M. - 5:00 P.M.	Greg Letts, AECOM	9048: Michigan Statewide ATMS Procurement Syd Bowcott, URS Corporation	9062: Evaluation of the Benefits and Costs of Advanced Traveler Information Systems Mohammed Hadi, Florida International University	9063: Traffic Route Diversion For Incident Management: A Benefit to Cost Analysis Yan Zhou, Clemson University	9064: What Will We Learn From The UPA and CRD National Evaluation? Matthew Burt, Battelle
TS06: Innovative ITS Training Experiences	Tuesday, June 2 8:00 A.M. - 9:30 A.M.	Tip Franklin, Telvent Transportation— North America	9083: Georgia's ITS Strategic Deployment Plan a New Vision for ITS Andy Phlegar, Georgia Department of Transportation	9084: How Should Local Technical Assistance Programs in the U.S. Teach Local Officials ITS Concepts and Applications? John Collura, University of Massachusetts, Amherst	9085: ITS Decision Support Tool Jeffrey Adler, Open Roads Consulting, Inc.	9086: Intelligent Transportation Systems Policy and Planning: Lessons From Experience Firoz Kabir, Noblis, Inc. 9146: Enhancing the Performance of the Transportation Workforce: A Systematic Approach Ronald Tarr, University of Central Florida

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TS07: Traffic Operations	Tuesday, June 2 8:00 A.M. - 9:30 A.M.	Andy Lucyshyn, PBS&J	9041: Designing a Collaborative Software Framework in Supporting Coordinated Freeway and Arterial (CFA) Operations Ken Yang, Iteris Inc.	9042: Development of Multi-Tier Adaptive Control Decision Support System and ITS Implementation to New York City Arterials Wuping Xin, KLD Associates, Inc.	9049: Motorway ATM Efficiencies—Hard Shoulders, Reversible Lanes, Ramp Reversal Joel Marcuson, Jacobs Engineering	9051: Real-Time Arterial Performance Monitoring System Evaluation Ray Starr, Minnesota Department of Transportation 9052: Taking TMCs to the Next Level Robert Edelstein, AECOM
TS08: Developments in VII	Tuesday, June 2 10:00 A.M. - 11:30 A.M.	Jim Misener, California PATH, UC Berkeley	9103: Enhanced Application Performance using a Dual DSRC Radio Architecture Aaron Weinfield, DENSO International America, Inc.	9109: Minnesota's VII for Safety, Mobility and User Fee Ray Starr, Minnesota Department of Transportation	9110: Findings from Vehicle Infrastructure Integration Proof of Concept Test and Future Opportunities Ram Kandarpa, Booz Allen Hamilton	9111: Michigan VII Testbed Installation and Operation Frank Perry, Booz Allen Hamilton 9120: Development of an Architectural Framework for a Deployable ITS Platform Scott Andrews, Cogenia Partners, LLC
TS09: Managing Incidents and Major Events	Tuesday, June 2 10:00 A.M. - 11:30 A.M.	Steve Little, Transdyn	9026: Development of Alternate Routes for Incident Management Using Geographical Information Systems (GIS) Kalaivani Kubendran, Kimley-Horn and Associates, Inc.	9118: Commercial Vehicle Operation in Special Events Michael Akridge, MT Akridge Consultant Services		
TS10: Disaster Management: Planning and Response	Tuesday, June 2 12:30 P.M. - 2:00 P.M.	Shahram Malek, Iteris	9020: A Methodology to Determine Priorities after Major Disasters Kevin Heaslip, Utah State University	9021: An Emergency Response Plan for Total Freeway Closures Bruce Churchill, Delcan Corporation	9022: Creating an Emergency Evacuation Transportation Plan for Southeastern Pennsylvania in the Absence of a Regional Government Structure Jennifer Duval, Jacobs	9023: Disaster Planning and Evacuation Response—Case Study of Honolulu Tsunami Warning and Intelligent Transportation Systems Route Planning Kekoa Anderson, Tetra Tech 9126: The Development of a Comprehensive Emergency Transportation Operations Plan for Wisconsin Department of Transportation Steven Cyra, HNTB Corporation

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TS11: Managed Lanes	Tuesday, June 2 12:30 P.M. - 2:00 P.M.	Robert Edelstein, AECOM	9014: I-95 Express Lanes Using SunGuide™ Jesus A. Martinez, Southwest Research Institute	9028: Managed Lanes: A TMC Perspective Charles Robbins, AECOM USA, Inc.	9030: The Ins and Outs of Managed Lanes James Anglin, HNTB Corporation	9155: New Ideas for Congestion Pricing Patrick DeCorla-Souza, Federal Highway Administration, U.S. Department of Transportation
TS12: Innovative Traveler Information Efforts	Tuesday, June 2 12:30 P.M. - 2:00 P.M.	Joshua Johnson, Southwest Research Institute	9091: Dynamics of Vehicles Route Choice in Work Zones with Advance Traveler Information Xiao Qin, University of Wisconsin at Madison	9094: Implementing the Pilot Travel Time Program in Pennsylvania Brian DePan, Jacobs Engineering Group	9096: Traveler Advisory Technologies: Where Does VII Fit In? Norman Hunt, CoVal Systems, Inc.	9097: Travel-Time Route Interpolation and Prediction Jesus A. Martinez, Southwest Research Institute 9132: 511 NY: A Comprehensive Transportation Information Portal for New York and Beyond Gary McVoy, New York State Department of Transportation
TS13: Vulnerable Users	Tuesday, June 2 2:30 P.M. - 4:00 P.M.	California PATH, UC Berkeley	9037: Signalized Mid-Block Pedestrian Crossing: Existing Operations Study and a Fuzzy Logic Strategy David Noyce, Traffic Operations and Safety Lab, Dept. of Civil & Environmental Engineering, UW-Madison	9075: Vision Zero for Children: A New Policy towards a Shift in the Child Safety Paradigm Asher Saban, Safe to Ride, Inc.	9101: Cooperative Pedestrian Warning System (CPWS) Christopher Higgins, Raytheon Co.	9102: Leveraging DSRC for Pedestrian Safety Gregory Mosley, Raytheon Co.
TS14: ITS Standards	Tuesday, June 2 2:30 P.M. - 4:00 P.M.	James Wright, American Association of State Highway and Transportation Officials (AASHTO)	9073: A Proven Systems Engineering Process for Deploying ITS Standards and ITS Benefits Blake Christie, Noblis, Inc.	9116: ITS Standards for Fun and Profit the Private Side Louis Sanders, APTA	9122: NTCIP Center-to-Field Step by Step Ralph Boaz, Pillar Consulting, Inc.	
TS15: Innovative Methods of Providing Traveler Information	Tuesday, June 2 2:30 P.M. - 4:00 P.M.	Ray Schreiber, Sensys Networks	9087: Quantifying Benefits to Users of the San Francisco Bay Area 511 Travel Time Service Vaishali Shah, Noblis	9125: Improving Dissemination of Traveler Information for Kansas City Scout Gary Covey, Kansas City Scout	9149: ITS Applications of SMS Technology Peter Davies, Castle Rock Associates	9151: Mobile ITS Applications Kristin Virshbo, Castle Rock Associates
TS16: ITS And Sustainability	Tuesday, June 2 4:30 P.M - 6:00 P.M.	Les Jacobson, Telvent Farradyne Inc.	9002: A Practical Approach to Managing Traffic Congestion Using Air Quality Data Farhad Pooran, Telvent	9003: Greenhouse Gas Emissions, Climate Change, and the Potential Role that Transportation Systems Management and Operations Can Play Louis Neudorff, Iteris, Inc.	9156: Securing Green Cars: IT Security in Next-Generation Electric Vehicle Systems Christof Paar, escrypt Inc.	

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TS17: Cost, Benefit, and Performance Evaluation: Part 2	Tuesday, June 2 4:30 P.M - 6:00 P.M.	Karen George, TransCore	9059: Assessing Reactions to Congestion Pricing: Surveys of Opinions and Behaviors at UPA and CRD Sites Carol Zimmerman, Battelle	9060: Benefit-Cost Evaluation of Kansas City Scout ITS Gary Covey, Kansas City Scout	9061: Costs and Benefits for a Credit-Based Congestion Priced Highway Network Patrick DeCorla-Souza, Federal Highway Administration, U.S. Department of Transportation	
TS18: Travel Time Estimation	Tuesday, June 2 4:30 P.M - 6:00 P.M.	Moe Zarean, Iteris	9089: Arterial Travel Time Using Magnetic Signature Re-Identification Theory of Application and ITS Deployment in San Diego Michael Volling, Sensys Networks	9114: Implementing Travel Time on DMS for Maryland's Chart Program Glenn McLaughlin, Daniel Consultants, Inc	9123: Accuracy of a Floating Car Traffic Information System Randall Cayford, IntelliOne Technologies	9129: Real-Time Dynamic Travel Time Estimation: Filtering Raw Data in an Automatic Vehicle Identification Setting Kaveh Farokhi Sadabadi, University of Maryland, College Park
TS19: Liability, Privacy, and Other Legal Issues	Wednesday, June 3 11:00 A.M. - 12:30 P.M.	Les Jacobson, Telvent Farradyne, Inc.	9068: Authentication and Privacy in Vehicular Networks: State-Of-The-Art and Outlook Kai Schramm, escrypt Inc.	9069: A Safety Application Certification Framework James Richardson, Raytheon Co.	9070: Open Source Research: Lessons Learned From the TRANSIMS and NGSIM Programs Karl Wunderlich, Noblis	9140: Intelligent Transportation Systems (ITS) Legal Issues: Lessons Learned From Experience Brian Philips, Noblis, Inc.
TS20: Congestion Management	Wednesday, June 3 11:00 A.M. - 12:30 P.M.	John Funny, Grice and Associates, Inc.	9011: Active Traffic Management—the Future is Now Glenn Havinovski, HNTB Corporation	9012: An Arterial Travel Time Algorithm That Uses 15 Minute Loop Detector Data Ray Starr, Minnesota Department of Transportation	9016: Minnesota's Urban Partnership Agreement: Using the Four T's to Decrease Congestion and Provide Choices to Travelers Ray Starr, Minnesota Department of Transportation	9017: Ramp Metering for High Throughput Stable Traffic on the Freeway William Yeung, California Department of Transportation 9130: Alternative Freeway Congestion Pricing Scenarios in Major U.S. Metropolitan Areas Patrick DeCorla-Souza, Booz Allen Hamilton
TS21: Probe Data Collection and Applications	Wednesday, June 3 11:00 A.M. - 12:30 P.M.	Alan Clelland, Iteris	9105: DSRC versus Cellular Data Services: A Rough Cost Comparison Michael McGurrin, Noblis	9108: Utilization of Anonymous Wireless Address Matching (AWAM) For Travel Time Data Collection Darryl Puckett, Texas Transportation Institute	9143: A "new information and operations age"—utilizing OBD2 Vehicle Data Brian Reed, Parsons Brinckerhoff	
TS22: Integrated Corridor Management	Wednesday, June 3 2:00 P.M. - 3:30 P.M.	Steven Corbin, IBI Group	9027: A New Technology for Integrated Corridor Management Philip Tarnoff, Traffix	9128: Use of Standard Planning Level Data to Develop the Detroit Area, I-75 Integrated Corridor Management Concept of Operations Mark Dunzo, Kimley-Horn and Associates, Inc.	9134: Performance Measures for Integrated Corridors Rob Hranac, Berkeley Transportation Systems	

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TS23: Innovative Transit ITS Applications	Wednesday, June 3 2:00 P.M. - 3:30 P.M.	Jennifer Rephlo, SAIC	9076: Value of Real-Time Passenger Information in Times of Economic Difficulties Thomas Noyes, NextBus, Inc	9077: Virginia Google Transit Abstract Michael Harris, Virginia Department of Transportation	9079: New York City Mobility Enhancement Project—Traffic Signal Priority Control for Transit Vehicles Michael Salatti, Greenman-Pedersen, Inc	9127: Is the San Francisco Bay Area Ready for a Regional Smart Card System? Ryan Dole, Kimley-Horn and Assoc., Inc. 9135: Bus Signal Priority in Santa Clara County, California David Kobayashi, Commuter Associates
TS24: ITS System Components	Wednesday, June 3 2:00 P.M. - 3:30 P.M.	Gregg Letts, AECOM	9044: Fiber Optic Communication for ITS Deployments: Leveraging Existing Fiber Optic Cable Infrastructure Douglas Siesel, Iteris	9045: Field Performance Evaluation of Ad Hoc Wireless Communication for Traffic Management Applications Yan Zhou, Clemson University	9050: Power and ITS Importance to Effectively Maintain Traffic & ITS Systems and Communications for Life and Safety Joseph Palsa, Clary Corporation	9053: Video Detection—A Means to Many Ends Michael Wieck, Iteris

INTERACTIVE SESSION PAPERS

9001: FLOW systems: How Traffic Management Can Reduce Fuel Consumption and Emissions	Jake Free, Free Enterprises
9013: Development and Implementation of the First Ramp Metering System in Southeast Florida	Xuesong Zhu, AECOM USA, Inc.
9018: Smaller Urban Cities and Congestion management, it all starts with a plan... An ITS Master plan	Mark Washing, Gresham Smith and Partners
9019: Advanced ITS Applications	Antony Coventry, Quixote Transportation Technologies Inc.
9039: Technology Focus on Enhancing Driver Behaviors: A Report on Two Projects	Ronald Tarr, University of Central Florida
9040: Virtual Reality Driving Simulation: Integrating Infrastructure Plans, Traffic Models, and Driving Behaviors	Thea Lorentzen, Forum 8, Co., Ltd.
9046: Low Cost Improvements for Operation Management—Using Asset Management and SNMP	Brian Reed, Parsons Brinckerhoff
9047: Management and Operations: Lessons Learned From Experience	Cheryl Lowrance, Noblis
9054: Comparative Analysis of Speed Measurements of Work Zone Speed Enforcement Equipment and Ground-Based Traffic Data Station	Ching-Yao Chan, California PATH, UC Berkeley
9057: Dynamic Lane Merging for 3 to 2 Lane Closure at Work Zones	Shankar Ramasamy, University of Central Florida
9071: Improving the Safety of Rural Travel through the Rural Safety Innovation Program	Theodore Smith, Noblis
9074: CHART Systems Engineering Approach	Darrell Shahin, CSC
9080: Realize Customer Centric Strategy by Unlocking Intelligent Transit System's Full Performance Potential with Six Sigma Total Quality Management Methodology	Nikos Papageorgiou, Metropolitan Atlanta Rapid Transit Authority
9081: Virginia DRPT Transit ITS Strategic Plan	Michael Harris, Virginia Department of Transportation
9088: Rapid Extraction and Updating Road Network to ITS Database	Suya You, University of Southern California
9092: HD Radio™ Technology and Protocols: An Efficient Delivery Method for Infotainment and Telematics Content	Joseph D'Angelo, iBiquity Digital Corp.
9098: Any Differences in Cruise Speed Patterns between Crash-Involved and Crash-Not-Involved Drivers?	Jungwook Jun, Virginia Department of Transportation
9099: Next Generation Telematics Architecture	Mike Peterson, HUGHES Telematics
9100: Practical Information and Communications Technology (ICT) for Improved Emergency Medical Service	Edmond Chang, EDCPC, Inc.
9112: Operation Green Light Wireless Communication Security and Reliability Lessons Learned	Ray Webb, Mid-America Regional Council
9113: Effect of Automotive Glazing on Reception of Dedicated Short Range Communication and Other on Board Devices	Charles Voeltzel, Pittsburg GlassWorks, LLC
9115: Integrating ITS into Transit Travel Training in America	Virginia Lingham, HNTB Corporation
9121: Deploying a Fog Detection and Warning System	Michael Berman, ICx Transportation Group
9124: A Year in the Life of a Newly Launched Traffic Management Operations Center	James Chong, VidSys
9139: 511, America's Traveler Information Hotline: Still in its infancy?	Mark Owens, Meridian Environmental Technology, Inc.
9150: MODES: Real-Time, Multi-Modal Transit Information	Peter Davies, Castle Rock Associates
9152: Development of a Driver Aware Vehicle for Monitoring, Managing and Motivating Older Operator Behavior	John Coughlin, Massachusetts Institute of Technology
9153: GIS, IT, and ITS: Combining the Best Tools in a Solution for Transportation Management Centers	Don Kiel, GeoDecisions/Gannett Fleming, Inc.