



AATT 2008 Detailed Conference Program

Athens, 28-30 May 2008 - www.civil.ntua.gr/aatt

Session AIR Thu, May 29, 9:00-11:00 Chair: Camille Camga

ID 1117 **Title** A Strategic Analysis of Low Cost Carriers on Intra-European Routes

Author

Affiliation

Dimitrios Dimitriou

Hellenic Open University

Vassilis Stefanis

Democritus University of Thrace

ID 127 **Title** Technical Efficiency in International Air Transport: Evidence from Panel Data (1991-2002)

Author

Affiliation

Panayotis Michaelides

National Technical University of Athens

Athena Belegri–Roboli

National Technical University of Athens

Theocharis Marinos

National Technical University of Athens

ID 196 **Title** Computational Intelligence Methods in Air Traffic Flow Management

Author

Affiliation

Li Weigang

University of Brasilia

Bueno Borges Souza

University of Brasilia

Daniela Pereira Alves

Brazilian Institute of Information in Science and Technology –

Antonio Marcio Ferreira Crespo

First Integrated Center of Air Defense and Air Traffic Control

ID 241 **Title** Safety Management Systems Contribution to the Airside Systems Integration

Author

Affiliation

Samuel Hautequest Cardoso

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Jorge Fernandez

International Civil Aviation Organization

Daniel Maurino

International Civil Aviation Organization

ID 402 **Title** Heuristics for Maximizing Fleet Availability Subject to Flight Maintenance Requirements

Author

Affiliation

George Kozanidis

University of Thessaly

Andreas Gavranis University of Thessaly

George Liberopoulos University of Thessaly

ID 549 **Title** Reducing Aviation'S Climate Change Impact Through Air Traffic Management (Atm): Policy and Practice

Author

Affiliation

Jarlath Molloy Imperial College of Science, Technology and Medicine

Victoria A. Williams Imperial College of Science, Technology and Medicine

Robert B. Noland Imperial College of Science, Technology and Medicine

Washington Y. Ochieng Imperial College of Science, Technology and Medicine

ID 572 **Title** Optimizing the Use of Aircraft De-Icing and Anti-Icing Fluids Under Budgetary, Infrastructure, and Environmental Compliance Constraints

Author

Affiliation

Scott E. Ornitz Florida Atlantic University

Evangelos Kaiser Florida Atlantic University

Ramesh Teegavarapu Florida Atlantic University

ID 790 **Title** Demand forecast for Air Travel Under High Speed Rail Impact Using Genetic Programming

Author

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Shih-Huang Chen Feng-Chia University

Chih-Yi Chung Feng-Chia University

Pei Liu Feng-Chia University

Hui-Hua Yang Toko University

Session BEH **Wed, May 28, 16:30-18:30** Chair: George Kanellaidis

ID 201 **Title** Sensitivity Analysis of Driver Behavior and Vehicle Performance Parameters in a Microscopic Traffic Simulation Model

Author

Affiliation

Carole Turley The Transpo Group, Inc.

Grant G. Schultz Brigham Young University

ID 270 **Title** Effects of Driver Risk Percception on Operating Speeds

Author

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Nikiforos Stamatiadis University of Kentucky

Theodore Grossardt University of Kentucky

Keiron Bailey University of Arizona

ID 283 **Title** Stakeholder Opinions on Advanced Driver Assistance Systems (ADAS) Policies

Author

Affiliation

Leonie Walta

Delft University of Technology

Vincent Marchau

Delft University of Technology

Karel Brookhuis

Delft University of Technology

ID 333 **Title** Drivers' Comprehension of Traffic Information on Changeable Graphical Signs

Author

Affiliation

Chien-Jung Lai

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Kai-Cung Tsai

National Chin-Yi University of Technology

ID 457 **Title** Modelling Driver'S Dynamic Route Choice Behavior with In-Vehicle Navigation By Including the Concept of Cognitive Map

Author

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Chee Chung Tong

Tamkang University

Pi-Chin Chang

Tarbiat Modares University

ID 530 **Title** Modeling Household-Level Activity Participation in Two-Heads Household

Author

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Renni Anggraini

TU Eindhoven

Theo A. Arentze

TU Eindhoven

Harry J.P.Timmermans

TU Eindhoven

ID 715 **Title** Differences in off-Road Glances: the Effects on Young Drivers' Performance

Author

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Linda Ng Boyle

University of Iowa

John D. Lee

University of Iowa

ID 895 **Title** Exploring Its Effects on Customer Satisfaction and Travel Behaviour

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Foteini Mikiki

Aristotle University of Thessaloniki

Maria Morfoulaki

Hellenic Institute of Transport

Session **CON** **Wed, May 28, 14:30-16:30** Chair: Konstantinos Kepaptsoglou

ID 109 **Title** Buried Pipeline Network for Facilitating Installation of Utility Cables Along Roads and Highways

Author

Affiliation

Lawrence M. Slavin

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Mohammad Najafi

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ID 140 **Title** Economic Development and Highway Project Decision-Making

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Kumares C. Sinha

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Samuel Labi

Purdue University

Fred L. Mannering

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ID 141 **Title** Applications of Reinforced Soil Walls in Transportation

Author

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Philippe L. Bourdeau

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Wen-Chao Huang

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ID 214 **Title** Quality Control Issues in Transportation Construction Projects

Author

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Ying Wang

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ID 349 **Title** Optimizing Work Zone for Urban Road with Consideration of Mixed Traffic

Author

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ID 610 **Title** An Analysis of Cost and Time Overruns of Construction Contracts Using Three Stage Least Squares

Author

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Claire Bordat

RATP France

Samuel Labi

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ID 638 **Title** Data Base for Environmental Management of Waterway Constructions

Author

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ID 769 **Title** Automated 2D Tracking of Personnel in Construction Sites

Author

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Ioannis Brilakis

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Session **DSN**

Wed, May 28, 16:30-18:30

Chair: Aristides Karlaftis

ID 1001 **Title** Slope Failure Verification of Buried Steel Pipes

Author

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Vlasis K. Koumousis

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ID 359	Title A Study on Highway Critical Speed Calculation
Author	Affiliation
Shi Guifang	Southeast University at Nanjing
Hao Yuan	Southeast University at Nanjing
Jianchuan Cheng	Southeast University at Nanjing
Huang Xiaoming	Southeast University at Nanjing
ID 411	Title Ancillary Structures - the forgotten Safety Assets
Author	Affiliation
Paul Jensen	Montana Department of Transportation
Jose Aldayuz	American Association of State Highway and Transportation O
ID 456	Title Practical Implementation of a New Approach for offset Optimization in Urban Road Networks
Author	Affiliation
Jannis Rohde	Leibniz University of Hannover
Bernhard Friedrich	Technical University of Brunswick
ID 476	Title Investigation of Load Reduction in Single-Span Multilane Concrete Slab Bridges
Author	Affiliation
Fatima El Meski	American University of Beirut
Mounir Mabsout	American University of Beirut
Kassim Tarhini	Tarhini and Associates Ltd
ID 497	Title Revision of Calculation of Stopping Sight Distance
Author	Affiliation
Hao Yuan	Southeast University at Nanjing
Shi Guifang	Southeast University at Nanjing
Jianchuan Cheng	Southeast University at Nanjing
Huang Xiaoming	Southeast University at Nanjing

ID 649 **Title** Trajectory Prediction By Adaptively Reducing Wind Uncertainty

Author

Affiliation

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John Lygeros

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ID 844 **Title** Artificial Neural Networks in Structural Analysis of Railway Platforms

Author

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Eduardo Fortunato

National Laboratory of Civil Engineering, Lisbon, Portugal

Session EMER

Fri, May 30, 11:30-13:30

Chair: Benjamin Colluci

ID 137 **Title** Debris Flow Hazard Assessment, Ranking, Management and Mitigation in Scotland

Author

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Lawrence Shackman

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ID 463 **Title** Emergency Response and Evacuation: a General Methodology for Safety of Users

Author

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Antonino Vitetta

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ID 603 **Title** The Application of a Case-Based Reasoning System to Freeway Incident Response

Author

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ID 685 **Title** Lane Reversal Operations for Hurricane Evacuations

Author

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Andrew J. Sullivan	University of Alabama at Birmingham
Kyriacos C. Mouskos	The City College of New York
Curtis Barrett	Vista Transport Group
George Conner	Alabama Department of Transportation

ID 703 **Title** Improved Public Transport Incident Management By Route-Flexible Navigation and Monitoring

Author	Affiliation
Stefan Tritschler	Universität Stuttgart
Thomas Wiltshcko	Universität Stuttgart
Harry Dobeschinsky	VWI Institute of Transportation Research
Ralf Schollmeyer	Universität Stuttgart

ID 753 **Title** Using Transit to Evacuate High Density Clusters in Urban Areas– a Microsimulation Based Integrated Tool

Author	Affiliation
Maria Boile	Rutgers University
Sotirios Theofanis	Rutgers University
Athanasios Ziliaskopoulos	University of Thessaly
Mihalis Golias	Rutgers University
Christine Mastrogiannidou	University of Thessaly

ID 758 **Title** Developing Risk Indices to Estimate Risk Associated with Hazmat Shipments

Author	Affiliation
Vinod Vasudevan	University of Nevada at Las Vegas
Shashi S. Nambisan	Iowa State University

ID 810 **Title** The Good Route System Architecture for Dangerous Goods Road Transportation

Author	Affiliation
Katia Pagle	Institute of Communication and Computer Systems
Angelos Amditis	Institute of Communication and Computer Systems
Maria Paola Bianconi	Electro-Telematic Systems
Markus Kauber	PTV Planung Transport Verkehr AG, Karlsruhe

ID 164 **Title** Decomposition Analysis of Co2 Emissions from Passenger Cars in Greece

Author

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ID 265 **Title** How Green Is the Car Purchase Decision? a Review

Author

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Sarah Van Moll

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Cathy Macharis

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Nele Sergeant

Vrije Universiteit

J. Van Mierlo

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ID 376 **Title** Energy and Transport System, Energy Crisis: Reality and Myth

Author

Affiliation

Bedrich Duchon

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ID 507 **Title** "Quiet Tram Track" Infrastructure Solutions at Athens Tramway Network

Author

Affiliation

Konstantinos E. Vogiatzis

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Athens TRAM SA

ID 667 **Title** Impacts of Fuel Consumption Taxes on Mobility Patterns and Co2 Emissions Using a System Dynamics Approach

Author

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Daniel De La Hoz

Universidad Politécica de Madrid.

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Simon Shepherd

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ID 779	Title Attitudinal Response and Technical Performance Assessment of Fuel Cell Vehicles in Test Fleets
Author	Affiliation
Timothy Lipman	University of California, Berkeley
Susan Shaheen	University of California, Berkeley
Elliot Martin	University of California, Berkeley

ID 882	Title Transport Infrastructure Requirements for Ethanol As a Significant Alternative Fuel
Author	Affiliation
William R. Morrow	Energy and Environmental Economics, Inc.
W. Michael Griffin	Carnegie Mellon University
Heather Wakeley	Carnegie Mellon University
H. Scott Matthews	Carnegie Mellon University
Chris Hendrickson	Carnegie Mellon University

ID 896	Title Energy Consumption and Carbon Dioxide Emissions of a Suburban Coastal Transport System
Author	Affiliation
Stamatios Ntanos	University of Piraeus
John A. Paravantis	University of Piraeus
Evangelos Sambracos	University of Piraeus

Session INFRMG-1	Thu, May 29, 14:30-16:30	Chair: Rabi Mishalani
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ID 1000	Title An Enhanced Approach Towards a Sustainable Road Infrastructure Management System
Author	Affiliation
Andreas Loizos	National Technical University of Athens
Christina Plati	National Technical University of Athens
Vasilis Papavasiliou	National Technical University of Athens
John Roberts	ARRB Transport Research

ID 123	Title Estimating Infrastructure Maintenance Project Cost with Application of Case-Based Reasoning
Author	Affiliation
Jui-Sheng Chou	National Chung Cheng University

ID 179	Title A General Probabilistic Framework for Clustering and Managing Heterogeneous Infrastructure Facilities
Author	Affiliation
Pablo L. Durango-Cohen	Northwestern University
ID 251	Title Highway Project Life-Cycle Cost Analyses Under Mixed Cases of Certainty, Risk, and Uncertainty: a Methodology with Case Study
Author	Affiliation
Praveen Kaini	Illinois Institute of Technology
Zongzhi Li	Illinois Institute of Technology
Sunil Kumar Madanu	Illinois Institute of Technology
ID 520	Title Using the Analytical Hierarchy Process and Goal Programming for Pavement Investment Programming
Author	Affiliation
Zheng Wu	Virginia Polytechnic Institute and State University
Gerardo W. Flintsch	Virginia Polytechnic Institute and State University
ID 660	Title Determining Management Sections to Minimize Cost of Performance-Based Pavement Maintenance Contracts
Author	Affiliation
Seok Kim	Texas A&M University
Ivan Damjanovic	Texas A&M University
Molly Gunby	Texas A&M University
ID 782	Title A Decision Support Tool for Transportation Infrastructure Data Collection and Management
Author	Affiliation
Srinivas S. Pulugurtha	University of North Carolina at Charlotte
Shashi S. Nambisan	Iowa State University
ID 835	Title A Bilevel Optimization Model for Large-Scale Highway Infrastructure Maintenance
Author	Affiliation
Manoj K. Jha	Morgan State University
Konstantinos Kepaptsoglou	National Technical University of Athens
Matthew Karlaftis	National Technical University of Athens

Session INFRMG-2 **Thu, May 29, 16:45-18:45** Chair: Tien Fang Fwa

ID 254 **Title** Decision-Oriented Project Ranking for the Danish Railway Asset Management System: the Ams-Pm Model
Author**Affiliation**

Kim Bang Salling

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Anders Vestergaard Jensen

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Claus Rehfeld Moshøj

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Steen Leleur

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ID 282 **Title** Relationships Between Long-Term and Short-Term Effectiveness of Transportation Infrastructure Interventions
Author**Affiliation**

Samuel Labi

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Brahma R. Venga

HSBC Consumer and Mortgage Lending

Georgios Kalafatas

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ID 366 **Title** Synergy of Pricing Policy with Maintenance Strategy in Transport Infrastructure Management
Author**Affiliation**

Takayuki Ueda

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ID 406 **Title** Sensitivity of Infrastructure Inspection and Maintenance Decision Making to Condition and Cost Characteristics
Author**Affiliation**

Liyong Gong

Capital One

Rabi G. Mishalani

Ohio State University

ID 460 **Title** Pms Premium: a Planning, Optimizing and Communication Tool for Every Road Agencies
Author**Affiliation**

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RAFI Management Consulting Zurich

ID 585 **Title** The Some Aspects of Multiobjective Evaluation to Choose the Option of Transport Infrastructure Modernization
Author**Affiliation**

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Mariusz Wasiak

Warsaw University of Technology

ID 820 **Title** Development of a Web-Based System to Support Pavement Maintenance Management Decisions

Author

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Zhanmin Zhang

University of Texas at Austin

Robert Harrison

University of Texas at Austin

Nabeel Khwaja

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ID 832 **Title** Image Processing: a Practical Approach to Assessing Pavement Marking Quality

Author

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Adnan El-Nasan

Yarmouk University

Neal Hawkins

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Session **INTER-1** **Wed, May 28, 11:30-13:30** Chair: Zoi Christoforou, Robert Noland

ID 1168 **Title** Study of Economic Impacts of Airport Construction in Medium Cities

Author

Affiliation

Joao Virgilio Merighi

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Rita Moura Fortes

Mackenzie Presbyterian University

Alex Alves Bandeira

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ID 1179 **Title** Characterizing Regimes in Daily Cycles of Urban Traffic Using Smooth Transition Autoregressive Models

Author

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Poulicos Prastacos

Foundation for Research and Technology-Hellas

ID 145 **Title** Road Design in 3D

Author

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ID 146	Title Analysis and Stabilization of the Slope of Km. 5. of Northern Tabriz Motorway and Comparison Methods
Author	Affiliation
Ramin Vafaei Poursorkhabi	Islamic Azad University of Tabriz
Mohammadali Lotfollahi	Tabriz University
Mohammadhosein Aminfar	Tabriz University
ID 147	Title Total Factor Productivity Change in European Air Transport and the 2001 Attack
Author	Affiliation
Angelos Vouldis	University of Athens
Panayotis Michaelides	National Technical University of Athens
ID 156	Title Using Finite Element Analysis to Design Roadside Hardware
Author	Affiliation
Ali O. Atahan	Worcester Polytechnic Institute
Malcolm H. Ray	Worcester Polytechnic Institute
ID 158	Title Boussinesq Solution in Geotechnical and Road Engineering
Author	Affiliation
Marwan Sadek	University of Sciences and Technologies of Lille
Hussein Mroueh	University of Sciences and Technologies of Lille
Isam Shahrour	University of Sciences and Technologies of Lille
ID 160	Title Hazard Mitigation of Transportation Structures
Author	Affiliation
Issam E. Harik	University of Kentucky
ID 175	Title Research Outline on Train Operation Conflict Prediction for High-Speed Railways
Author	Affiliation
Wen Chao	Southwest Jiaotong University
Chen Yu-Hong	Southwest Jiaotong University
Peng Qiyuan	Southwest Jiaotong University

ID 221	Title Research on the Spacing of Highway Intersection Considering Safety Requirement
Author	Affiliation
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Wu Qun	Southeast University at Nanjing
Mao Linfeng	
Lu Jian	
ID 225	Title Seismic Retrofitting of Bridges Based on Response Modification By Conventional Techniques
Author	Affiliation
Murat Dicleli	Middle East Technical University
Riyadh Hindi	Bradley University
ID 243	Title Adaptive Neuro-Fuzzy Inference System and Neural Network Model for the Prediction of Pile Setup
Author	Affiliation
Jongkoo Jeon	North Carolina State University
M.S. Rahman	North Carolina State University
ID 252	Title An Environmental Friendly Pavement System for Highways and Industrial Yards
Author	Affiliation
Ali Jamshidi	Islamic Azad University of Tehran
Saman Momeni	Gorgan University of Agricultural Sciences and Natural Resou
Amiripour S. M. Mahdi	Iran University of Science and Technology
ID 259	Title Using Cluster Analysis to Design Tax Packages for Funding Transportation Projects
Author	Affiliation
Michael Lowry	University of Washington at Seattle
G. Scott Rutherford	University of Washington at Seattle
Timothy Nyerges	University of Washington at Seattle
ID 301	Title Lessons Learnt from Airport Sms Implementation in South America
Author	Affiliation

Samuel Hautequest Cardoso	International Civil Aviation Organization
Daniel Maurino	International Civil Aviation Organization
Jorge Fernandez	International Civil Aviation Organization

ID 325 **Title** The U.S. Experience with New Generation Weigh-In-Motion Systems

Author

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Houssam Toutanji	University of Alabama at Huntsville
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James Richardson	University of Alabama at Tuscaloosa
Nasim Uddin	University of Alabama at Birmingham
Talat Salama	University of Alabama at Birmingham
Jason Kirby	University of Alabama at Birmingham

ID 326 **Title** The Application of Fuzzy Clustering Analysis on Climatic Zoning of Highway Engineering

Author

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Ma Zhaoyou	Traffic Management Research Institute of Public Security Min

ID 334 **Title** A Multi-Objective Optimization Model for Regional Highway Network Planning

Author

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Pei Xin	University of Hong Kong

ID 344 **Title** Using Promethee Ii in Decision Making in a Brazilian Pavement Management System

Author

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ID 358	Title Determinants of Cooperative Behavior in the Process of Infrastructure Planning in Japan: Self-Interest and Fairness of Administrative Authority
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Hiroyuki Hikichi	Tohoku Institute of Technology
ID 374	Title Effect of Trench Patches Service Covers on Pavement Management System
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Nabin Pradhan	Land Transport New Zealand
Raj Mallela	NIS Ltd.
ID 386	Title The Strategy of Resolution of Disputes in Infrastructure Projects
Author	Affiliation
Begum Sertyesilisik	Yildiz Technical University
ID 390	Title An Investigation on the Marmaray Project with Respect to Contractual Issues
Author	Affiliation
Begum Sertyesilisik	Yildiz Technical University
ID 391	Title Methodology for the Elaboration of National Transportation Programs
Author	Affiliation
Luis S. Da C. Silveira	University of Brasilia
Marcos T. Q. Magalhaes	University of Brasilia
Yaeko Yamashita	Universidade de Brasília
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Ernesto P. Galindo	University of Brasília
Roberto V. Pavarino Filho	University of Brasília
ID 404	Title Dynamic Diffusion Process and Public Policy Related to Cooperative Vehicle-Pedestrian Safety System
Author	Affiliation
Miyoshi Hiroaki	Doshisha University

ID 405 **Title** Gps-Taxi Consumer Choice Behavior: a Comparison and Interpretation of Three Metropolises

Author**Affiliation**

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ID 416 **Title** Recovering Pavement Damage Costs Through Road User Charges

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ID 425 **Title** A Study on Loading Space Measure Utilizing Priority Parking Meters for Trucks with Smart Plate Technology

Author**Affiliation**

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ID 436 **Title** A Methodology for Integrating Roadway Safety Hardware Asset Management Into the Overall Highway Asset Management Program

Author**Affiliation**

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ID 453 **Title** Analysis and Design of Buried Pipes

Author**Affiliation**

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American University of Beirut

Maliki Ghossainy

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ID 458 **Title** Comparison of Live Load Distribution in Girders of Integral and Conventional Bridges

Author**Affiliation**

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ID 464 **Title** Estimation of the Marginal Cost of Highway Maintenance with Two Interdependent Activities

Author

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ID 484 **Title** Development of Bridge Scour Management System (Bsms) and Its Application

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Juhyung Lee Korea Institute of Construction Technology

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ID 502 **Title** Air and Rail Traffic: Mutual Employment of Capacity Model Approaches

Author

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ID 516 **Title** Performance-Based Contracting for Roadway Maintenance: An Exploratory Empirical Analysis

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Bob G. McCullough Purdue University

Fred L. Mannering Purdue University

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ID 525 **Title** Intervention Analysis of Impacts of Special Events on Freeways

Author

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Shanshan Yang Florida International University

ID 526 **Title** Bituminous Priming of Sandy Base Layers in the State of Ceará, Brazil

Author

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Suely Helena De Araújo Barroso Federal University of Ceará

Jorge Barbosa Soares Federal University of Ceará

ID 529 **Title** Car Users' Expected Attitude Toward Introduction of Traffic Information System and Congestion Pricing and Its Implications: a Case Study of Jakarta

Author

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Tomokazu Wachi Pacific Consultants International

ID 540 **Title** Regional Infrastructure Management in the West Balkan Countries: An Innovative Approach

Author

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Konstantinos Georgiou TRADEMCO S.A.

ID 548 **Title** A New Method for Optimal Allocation of Highway Maintenance Resources

Author

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Tao Xianding InDyne, Inc

ID 562 **Title** on-Line Calibration of Behavior Parameters for Behavior-Consistent Route Guidance

Author

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ID 576 **Title** Emissions of Non-Limited Pollutants at Alternative Fuels Operation in the Cars

Author

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Petr Smekal	Transport Research Centre at Brno
Tomas Ocelka	The Regional Public Health Institute of Ostrava
Jiri Dufek	Transport Research Centre at Brno
V. Adamec	Transport Research Centre at Brno

ID 589 **Title** An Interactive Tool for Collecting Traveler Behavior Information

Author	Affiliation
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ID 591 **Title** SIMT: An Information System Framework for Transportation Planning and Management

Author	Affiliation
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Vincenzo Torrieri	University of Napoli "Federico II"
Peter Nijkamp	Vrije Universiteit

ID 612 **Title** Experimental Study on Driver'S Behavior in Terms of Eye Movements

Author	Affiliation
Yan Yang	University of Southampton
Rui Fu	Chang'an University
Pengjung Zheng	University of Southampton
Ding Fang	Chang'an University

ID 636 **Title** Public-Private-Partnerships in Transportation Infrastructure - a Comparison Between the Second Severn Crossing and the Rion-Antirion Bridge

Author	Affiliation
Evangelos Matragkos	
Natalia Tselenti	National Technical University of Athens

ID 647 **Title** Exploring Inequality for the London Low Emission Zone

Author	Affiliation
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ID 658 **Title** Consumption Reductions in LNG (Liquefied Natural Gas) Propulsion Systems

Author**Affiliation**

Emilio Larrode

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ID 666 **Title** Motorist Perceptions on the Impact of Rainy Conditions on Driver Behavior and Accident Risk

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ID 670 **Title** Highway Network Retrofit Under Seismic Hazard

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Anne S. Kiremidjian

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ID 674 **Title** Multistage System Planning for Hydrogen Production and Distribution

Author**Affiliation**

Yongxi Huang

University of California, Davis

Nils Johnson

University of California, Davis

Yueyue Fan

University of California, Davis

ID 677 **Title** Defining Degradation Processes of Switches Crossings for Maintenance Renewal Planning

Author**Affiliation**

Willem-Jan Zwanenburg

Ecole Polytechnique Federale de Lausanne (EPFL)

ID 708 **Title** The Effectiveness of Highway Expenditure: Some New Evidence

Author**Affiliation**

Jungeun Oh Purdue University

Kumares C. Sinha Purdue University

ID 711 **Title** Methodological Approach to Optimize Transportation Infrastructure: Braess' Paradox Perspective

Author

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Sittipan Sittikariya

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Mark C. Yand

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Xiaoping Zhang

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William R. Loudon

DKS Associates

Venkataraman N. Shankar

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Atsushi Fukuda

Nihon University

Tuenjai Fukuda

Research Institute of Science and Technology of Japan

ID 716 **Title** A Routing Model to Reduce the Risk of Hazmat Shipments in Road Network

Author

Affiliation

Afshin Shariat Mohaymany

Iran University of Science and Technology

Masoud Khodadadiyan

Iran University of Science and Technology

Morteza Khashaypoor

Iran University of Science and Technology

ID 717 **Title** Dynamic Fault Analysis of Large-Scaled Information Systems with Reference to Component'S Deterioration

Author

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Aoki Kazuya

PASCO CORPORATION

Yamamoto Kouji

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Kaito Kiyoyuki

Osaka University

Kiyoshi Kobayashi

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ID 719 **Title** An Lcca Algorithm for Bridges in United States

Author

Affiliation

Oguz Ertekin

Parsons Transportation Group

Hani Nassif

State University of New Jersey

Kaan Ozbay

State University of New Jersey

ID 724	Title Simulating Passenger Behaviour in Transit Assignment Using Fuzzy Logic
Author	Affiliation
Afshin Shariat Mohaymany	Iran University of Science and Technology
Amiripour S. M. Mahdi	Iran University of Science and Technology
Mohsen Babaei	Iran University of Science and Technology
ID 759	Title Correction Factor for Binder Recovery
Author	Affiliation
Suresh Raghavendra	PBS&J,
Claudia E. Zapata	Arizona State University
M. Waseem Mirza	University of Engineering and Technology at Lahore
William N. Houston	Arizona State University
Matthew Witczak	Arizona State University
ID 795	Title A Methodological Framework for Evaluation of Financial Viability of Public Private Partnerships: An Investment Risk Approach
Author	Affiliation
Aristeidis Pantelias	University of Texas at Austin
Zhanmin Zhang	University of Texas at Austin
ID 803	Title Using Sustainability Footprints to Value and Manage Transportation Infrastructure Investments
Author	Affiliation
Adjo A. Amekudzi	Georgia Institute of Technology
Meleckidzedeck Khayesi	World Health Organization
C. Jotin Khisty	Illinois Institute of Technology
ID 814	Title Seismic Analysis of Railway Tunnel for Nuclear Waste Repository Based on Soil Lining Interaction Modified Model
Author	Affiliation
Hamid Reza Vosoughifar	Islamic Azad University, Tehran South Branch
Mohammad Reza Adlparvar	Iran University of Science and Technology

ID 821	Title Impacts of Movement-Based Control Policy on Driver Behavior and Intersection Performance
Author	Affiliation
Keshuang Tang	Nagoya University
Hideki Nakamura	Nagoya University
ID 830	Title Risk Analysis in Hazardous Material Routing: a Decision-Making Problem
Author	Affiliation
Andres Bronfman	Universidad Nacional Andrés Bello
Nicolás C. Bronfman	Universidad Nacional Andrés Bello
Carola Blazquez	Universidad Nacional Andrés Bello
Pamela Alvarez M.	Universidad Nacional Andrés Bello
ID 837	Title Infrastructure Inventory: Legacy Versus New Technology for Signs
Author	Affiliation
Omar Smadi	Iowa State University
Neal Hawkins	Iowa State University
Zachary Hans	Iowa State University
ID 848	Title Tunnel Liner Response to Piston-Effect Loads from Lrt Vehicles
Author	Affiliation
Mark C. Bourland	Lamar University
Robert L. Yuan	Lamar University
ID 867	Title Challenge to the Management of Small Airports in Brazil
Author	Affiliation
Dario Rais Lopes	Mackenzie Presbyterian University
ID 872	Title Recognizing the Occurrence of Driver Adaptation In
Author	Affiliation
Saeed Sahami	University of British Columbia
Jacqueline M. Jenkins	University of British Columbia

ID 887 **Title** Impact Assessment of European Airport Capacity, Efficiency and Safety

Author

Affiliation

Angelliki Kopsacheili

Attiko Metro S.A.

Athanasios Ballis

National Technical University of Athens

Dimitrios Tsamboulas

National Technical University of Athens

ID 889 **Title** Application of 4D Cad System for Highway Construction Project

Author

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Sang-Bok Jee

GEONT Co. Ltd

Hyun-Seok Moon

Gyeongsang National University

Session INTER-2

Wed, May 28, 14:30-18:45

Chair: Nikiforos Stamatiadis, Konstantin

ID 1003 **Title** Analysis of the Kinematic Gauge of Metropolitan Railways

Author

Affiliation

Konstantinos Lymberis

National Technical University of Athens

ID 1004 **Title** Analysis of Cant Superelevation at the Regions of Acceleration of Metropolitan Railways

Author

Affiliation

Konstantinos Lymberis

National Technical University of Athens

ID 111 **Title** The Current Situation and Vistas of the Application for Crumb-Rubber Asphalt Pavement in China

Author

Affiliation

Wang Xudong

Research Institute of Highways, MOC

Liu Hao

Beijing Municipal Road and Bridge Building Material Corporat

Zhang Libing

Beijing Municipal Roadway Administration Bureau

ID 113 **Title** Research of Interlayer Combination Between the Semi-Rigid Base and the Asphalt Pavement

Author

Affiliation

Li Meijiang

Research Institute of Highways, MOC

Wang Xudong

Research Institute of Highways, MOC

ID 138	Title The Use of Lightweight Tyre Bales in the Construction of Foundations for Roads Over Soft Ground
Author	Affiliation
Mike G. Winter	TRL Limited
ID 169	Title Development of a Pavement Load Related Distress Prediction Model Using Artificial Neural Networks
Author	Affiliation
Wesley C. Zech	Auburn University
Mary Stroup-Gardiner	Auburn University
Pradeep. S. B. Rao	HNTB Corporation
ID 188	Title The Design Realization of Train Traction Calculation System
Author	Affiliation
Yong Liao	Southwest Jiaotong University
Na Zhai	Southwest Jiaotong University
Subo Zhang	Southwest Jiaotong University
Jiankang Zhou	Southwest Jiaotong University
ID 189	Title Optimization of Periodic Brake on Train Traction Calculation Calculation By Backing-off Model and Iterative Method
Author	Affiliation
Yong Liao	Southwest Jiaotong University
ID 231	Title A Decomposition Approach for Railway Crew Scheduling Problem
Author	Affiliation
Wang Ying	Beijing Jiaotong University
Liu Jun	Beijing Jiaotong University
Miao Jian-Rui	Beijing Jiaotong University
ID 248	Title Agent-Based Train Running Simulation of Railway Passenger Dedicated Line
Author	Affiliation
Meng Lingyun	Beijing Jiaotong University
Jiang Xi	Beijing Jiaotong University

Yang Zhaoxia	Beijing Jiaotong University
Li Haiying	Beijing Jiaotong University
Miao Jian Rui	Beijing Jiaotong University
He Zhenhuan	Beijing Jiaotong University
Konstantinos Kepaptsoglou	National Technical University of Athens
Wang Baoshan	Beijing Jiaotong University
Wang Ying	Beijing Jiaotong University

ID 271 **Title** Analytical Modeling of Thermal Cracking of Asphalt Pavement Based on Finite Element Method

Author	Affiliation
Zainab Ahmed Alkaissi	AL Mustanesyrai University
Gandi Ganim	Al Mustanesyrai University

ID 289 **Title** Continuous Railway Systems: An Innovative Approach to Improve High Speed Rail Sustainability

Author	Affiliation
Lara R. Brunello	Queensland University of Technology
Jonathan M. Bunker	Queensland University of Technology
Luis J. Ferreira	Queensland University of Technology

ID 306 **Title** NORDFOU - Pavement Performance Models, Project Level

Author	Affiliation
Anders Huvstig	SRA
Sigurdur Erlingsson	VTI Sweden
Rabbira Garba Saba	NPRA
Inge Hoff	SINTEF

ID 307 **Title** Analysis of Distress in Flexible Pavements on Riyadh Street Network

Author	Affiliation
Muhammad Mubarak	Nottingham University
Nick Thom	Nottingham University

ID 353	Title Fractal Evaluation of Coarse Aggregates Surface Texture and Asphalt Mixtures Performance Study
Author	Affiliation
Guoming Chen	Civil Aviation University of China
Tan Yi-Qiu	Harbin Institute of Technology
Chunxiu Zhou	Harbin Institute of Technology
ID 365	Title Prediction of Pavement Performance Using Artificial Intelligent System
Author	Affiliation
Hassan D. Hassanin	Zagazig University
Essam A. Sharaf	Cairo University
ID 375	Title Sensitivity Analysis of the Vesys Program to Predict Critical Pavement Responses for Rutting and Fatigue Performances of Pavement Infrastructures
Author	Affiliation
Ghazi G. Al-Khateeb	Jordan University of Science and Technology
Raghu Satyanarayana	Turner-Fairbank Highway Research Center (TFHRC)
Katherine Petros	Turner-Fairbank Highway Research Center (TFHRC)
ID 393	Title Developing a Simple Mixed Reality Infrastructure for Traffic Analysis
Author	Affiliation
Mohamed Masoud	University of Toronto
Hoda Talaat	University of Toronto
Baher Abdulhai	University of Toronto
ID 394	Title Coefficient of Thermal Expansion of Portland Cement Concrete
Author	Affiliation
Kevin D. Hall	University of Arkansas, Fayetteville, Arkansas,
Mainey James	University of Arkansas
ID 400	Title The Design Method of Asphalt Mixture to Reduce Rutting
Author	Affiliation
Wang Xudong	Research Institute of Highways, MOC

ID 414	Title Freightmiser: Optimal Speed Iles for Long-Haul Trains.
Author	Affiliation
Basil Benjamin	University of South Australia
Phil Howlett	University of South Australia
Peter Pudney	University of South Australia
Xuan Vu	University of South Australia
ID 418	Title Full Depth Reclamation of Asphalt Pavements Using Coal Combustion Byproducts
Author	Affiliation
Tarunjit S. Butalia	Ohio State University
William E. Wolfe	Ohio State University
ID 427	Title Brazilian Railways: An Application of Cost Analysis
Author	Affiliation
Aline E. Lang	University of Canterbury
Adelaida P. Fonseca	University of Brasilia
ID 465	Title Rail Infrastructure Pricing Systems: a New Barrier for Hs Railways
Author	Affiliation
Marta Sanchez-Borras	Technical University of Catalonia (UPC)
Paulo F. Teixeira	Technical University of Lisbon
Andres Lopez-Pita	Technical University of Catalonia (UPC)
ID 488	Title Impact of Dedicated Rail Freight Corridor on the Current Freight Logistic System
Author	Affiliation
Niraja Shukla	School of Planning and Architecture, New Delhi
Sanjay Gupta	School of Planning and Architecture, New Delhi
ID 567	Title Mechanistic-Empirical Rigid Pavement Design Calibration for Argentina
Author	Affiliation
Marcelo Bustos	Universidad Nacional de San Juan (UNSJ)

Oscar Cordo	Universidad National de San Jose
Pablo Girardi	Universidad National de San Jose
Miguel Pereyra	Universidad National de San Jose

ID 597 **Title** A Search Algorithm for Motor Train Set Scheduling

Author	Affiliation
Jie Zhang	Southwest Jiaotong University
Xueting Li	Southwest Jiaotong University
Huaqun Chen	Southwest Jiaotong University

ID 598 **Title** The Impact of Increasing Legal Truck Axle Loads on the Egyptian Roads

Author	Affiliation
Ragab Mousa	Cairo University
Mostafa El Ghazolly	Cairo University
Omar Osman	Cairo University

ID 626 **Title** Innovative Pavement Preservation Practices in California

Author	Affiliation
Shakir Shatnawi	California Department of Transportation
Haiping Zhou	MACTEC Engineering and Consulting
Russel Gary Hicks	California State University

ID 643 **Title** Integral-Fuzzy Model for Measure the Track Structure Quality

Author	Affiliation
Maria Cristina Fogliatti De Sinay	Military Institute of Engineering, Rio de Janeiro
Marcelo Prado Sucena	Military Institute of Engineering, Rio de Janeiro
Marcelo Do Vale Coimbra	Military Institute of Engineering, Rio de Janeiro

ID 706 **Title** Influence of Asphalt Performance for Ultraviolet Aging

Author	Affiliation
Tan Yi-Qiu	Harbin Institute of Technology
Wang Jia-Ni	Harbin Institute of Technology

Xue Zhong-Jun

Harbin Institute of Technology

Liu Hao

Beijing Municipal Road and Bridge Building Material Corporat

ID 712 **Title** Estimating Freight Demand for North-South Railway: a Brazilian Case Study

Author

Affiliation

Jose Eduardo Holler Branco

University of São Paulo (USP)

Jose Vicente Caixeta Filho

University of São Paulo (USP)

ID 721 **Title** A Study on Secondary Densification on Pavement Noise Characters

Author

Affiliation

Pei Liu

Feng-Chia University

Shih-Huang Chen

Feng-Chia University

Hsin-Han Tsai

Feng-Chia University

ID 748 **Title** Implementation of ECP Brake Systems on United States Freight Railroads

Author

Affiliation

Robert C. Lauby Pe

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Olga K. Cataldi

U.S. Department of Transportation

ID 755 **Title** Mechanical Behavior Evaluation of Tire Rubber Concrete for Pavements

Author

Affiliation

Rosa C. Cecche Lintz

Pontificia Catholic University of Campinas

Maria Rachel Russo Seydell

Pontificia Catholic University of Campinas,

Jost Liberato Bozza

Pontificia Catholic University of Campinas

ID 757 **Title** Computational Simulation Techniques in a Locomotive Maintenance System

Author

Affiliation

Marina Guimaraes Mattos

Industrial Assets, Belo Horizonte

Altair Dos Santos Ferreira Filho

Military Institute of Engineering, Rio de Janeiro

ID 767 **Title** Stress Absorbing Waterproof Interlayer (SAWI) for Mitigating Reflection Cracking in Asphalt Concrete Overlays

Author

Affiliation

Xue Zhong-Jun	Harbin Institute of Technology
Tan Yi-Qiu	Harbin Institute of Technology
Zhang Xiao-Ning	South China University of Technology
Wang Jia-Ni	Harbin Institute of Technology
Chen Xiao-Liang	Harbin Institute of Technology

ID 771 **Title** A Methodology for Expanding Sample Od Based on Probe Vehicle

Author	Affiliation
Seungkirl Baek	Korea Highway Corporation
Yongtaek Lim	Chonnam National University
Keechoo Choi	Ajou University

ID 802 **Title** Effect of Excess Axle Weights on Pavement Life

Author	Affiliation
Hassan M. Aly Salem	Zagazig University

ID 815 **Title** Visual Study on Tehran Rail Public Transportation for Long Term Development

Author	Affiliation
Mohammad Reza Adlparvar	Iran University of Science and Technology
Hamid Reza Vosoughifar	Islamic Azad University, Tehran South Branch

ID 816 **Title** Investigation on the Objectives and Principles to Design Tehran Urban Railway Network

Author	Affiliation
Mohammad Reza Adlparvar	Iran University of Science and Technology
Hamid Reza Vosoughifar	Islamic Azad University, Tehran South Branch

ID 824 **Title** Detection of Critical Situations in Rail Transport

Author	Affiliation
Piotr Bogus	Medical University of Gdańsk
Jerzy Merkisz	Technical University of Poznań
Stanislaw Mazurek	Technical University of Gdańsk
Rafael Grzeszczyk	Automex Gdańsk

ID 847 **Title** Evaluation of Railway Axis Under the New European Railway Business Environment

Author

Affiliation

Dimitrios Tsamboulas

National Technical University of Athens

Cleopatra Tatsi

National Technical University of Athens

ID 859 **Title** Study of Pervious Concrete for Use in Pavements

Author

Affiliation

Rita Moura Fortes

Mackenzie Presbyterian University

Joao Virgilio Merighi

Mackenzie Presbyterian University

Alex Alves Bandeira

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ID 876 **Title** A Study of the HMA Layer Thickness Reduction When Applied Over Lateritic Soils Cement Base in Airfield

Author

Affiliation

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Rita Moura Fortes

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Joao Virgilio Merighi

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Session INTER-3 **Thu, May 29, 9:00-11:30** Chair: Montasir Abbas, Thanos Vlastos

ID 114 **Title** Study on New Types of Transport Organization Methods for the Highway Rapid Passenger Transport System in China

Author

Affiliation

Jia Peng

Southeast University at Nanjing

Jie He

Southeast University at Nanjing

Xuhong Li

Southeast University at Nanjing

ID 1231 **Title** A Gapped Bootstrap Approach to Modeling Uncertainties in Od Estimation

Author

Affiliation

Justice Appiah

University of Nebraska, Lincoln

Clifford H. Spiegelman

Texas A&M University

Soumendra Lahiri

Texas A&M University

Laurence R. Rilett

University of Nebraska, Lincoln

ID 150	Title Synchronous Control Method for Personal Rapid Transit Systems
Author	Affiliation
Christos Xithalis	
ID 161	Title Public Transport Demand Estimation By Calibrating the Combined Trip Distribution-Mode Choice (TDMC) Model from Passenger Counts
Author	Affiliation
Ofyar Z Tamin	Institute of Technology Bandung
Ade Sjafruddin	Institute of Technology Bandung
Oka Purwanti	National Institute of Technology, Indonesia
ID 178	Title Implementation of Bus/HOV Lanes on Selected Arterials in Baghdad City
Author	Affiliation
Afaf A. Al-Azzawi	Al Mustansirya University
Emad A. Ismail	Bagdad University of Technology
Nasser I. Al-Mashhadani	
ID 218	Title Research on the Reasonably Detector Equipment of Intersections in Urban Road Network
Author	Affiliation
Zhang He	Dalian Maritime University
Wang Wei	Southeast University at Nanjing
ID 228	Title Congestion Pricing for Transit Systems
Author	Affiliation
Younes Hamdouch	United Arab Emirates University
Siriphong Lawphongpanich	University of Florida at Gainesville
ID 245	Title Computer Assisted Scheduling and Dispatching Systems in Paratransit: Implementation Alternatives, Costs and Brokerage Potential
Author	Affiliation
Anthony M. Pagano	University of Illinois at Chicago
Paul Metaxatos	University of Illinois at Chicago

ID 269	Title Microscopic Simulation of Transit Operations: MISTRANSIT
Author	Affiliation
Rodrigo Fernandez	Universidad de Los Andes
Cristian E. Cortes	Universidad de Chile
Vanessa Burgos	Universidad de Chile
ID 279	Title Intelligent Vehicle on Road System Based on 802.11P Standard
Author	Affiliation
Zhou Jing	Tongji University
Zhang Dianhui	ShangHai Longday Information Systems Co.,Ltd
ID 294	Title Performance Analysis of ofdm - 802.11P System for Vehicular Communications
Author	Affiliation
George Kiokes	National Technical University of Athens
Angelos Amditis	Institute of Communication and Computer Systems
Nikolaos K. Uzunoglu	National Technical University of Athens
ID 364	Title A Strategy for Vms Display of the Level Crossings
Author	Affiliation
Hye-Ran Kim	Seoul National University
Jin-Seok Hahn	Seoul National University
Chang-Ho Park	Seoul National University
ID 368	Title Calibration of T-Money Card Data for Implementation of Bus O-D in Seoul Metropolitan Area
Author	Affiliation
Jin-Seok Hahn	Seoul National University
Hye-Ran Kim	Seoul National University
Seung-Young Kho	Seoul National University
ID 379	Title Evaluation of a Quartz Based Automatic Traffic Monitoring System
Author	Affiliation

Ahmad Saifizul Abdullah	University of Malaya
Mohamed Rehan Karim	University of Malaya
Hideo Yamanaka	University of Tokushima

ID 389 **Title** Databases of Visual Information in Road Traffic

Author	Affiliation
Senka Pasagic	University of Zagreb
Mario Anzek	University of Zagreb
Valerija Skoric	APIS-IT
Anton Presecki	Presečki grupu d.o.o., Krapina, Hrvatska

ID 396 **Title** Improving Vehicular Communications Using Optimal Fragmentation Techniques

Author	Affiliation
Yusun Chang	Georgia Institute of Technology
Christy Mihyeon Jeon	Georgia Institute of Technology
John A. Copeland	Georgia Institute of Technology

ID 407 **Title** Identify Consumer'S Value Recognition Structure for Avl Bus Information Service: a Comparison of Two Cities

Author	Affiliation
Kevin P. Hwang	National Cheng Kung University
Pang-Cheng Chen	National Cheng Kung University
Ching-Hsiang Hsu	National Cheng Kung University

ID 408 **Title** Research of Public Transit IC Card Information Analysis System Based on Gis

Author	Affiliation
Sun Jianping	Beijing Transportation Research Center
Liyun Zhu	Beijing Transportation Research Center
Feng Chen	Beijing Transportation Research Center
Gao Yong	Beijing Transportation Research Center
Xiaoyong Deng	Beijing Transportation Research Center

ID 413	Title Study on Probe Penetration Based on Curve Estimation
Author	Affiliation
Sun Jianping	Beijing Transportation Research Center
Wen Huimin	Beijing Transportation Research Center
Liyun Zhu	Beijing Transportation Research Center
Gao Yong	Beijing Transportation Research Center
ID 423	Title Urban Bus Trip Optimization Based on a Multi-Tier Transit Data Model
Author	Affiliation
Zhengdong Huang	Wuhan University
Donggen Wang	Hong Kong Baptist University
ID 428	Title Analysis on the Efficiency of a Hierarchical Structure for a Grid Transit Network
Author	Affiliation
Junsik Park	University of Texas at Austin
Seung-Young Kho	Seoul National University
Kyung Soo Chon	Seoul National University
Dong-Kyu Oh	Seoul National University
ID 441	Title The Multi Source Data Modelling of Regional Public Transport.
Author	Affiliation
Marian Gogola	University of Žilina
ID 491	Title Modeling Transit Vehicle Encounter Probability Along a Single-Road Segment
Author	Affiliation
Yuval Hadas	Bar-Ilan University
Avi Ceder	Technion-Israel Institute of Technology
ID 498	Title Development of a Weather Adaptive Navigation System for Coastal Shipping and Its onboard Experiment
Author	Affiliation
Masaru Tsujimoto	National Maritime Research Institute, Japan

Yoshimasa Minami	National Maritime Research Institute, Japan
Takahiko Murayama	Japan Weather Association
Hiroshi Takai	Japan Weather Association
Tatsuya Yashiro	Yokogawa Denshikiki Co. Ltd
Toshio Imazumi	Ube Shipping & Logistics, Ltd.
Katsumi Masuda	Ube Shipping & Logistics, Ltd.

ID 523 **Title** Modeling the Variability of Lateral Vehicular Control

Author	Affiliation
Jeffrey D. Dawson	University of Iowa
Joseph E. Cavanaugh	University of Iowa
K. D. Zamba	University of Iowa
Matthew Rizzo	University of Iowa

ID 531 **Title** Energy Harvester for Sensor Nodes in Wireless Monitoring of Belt Conveyor Systems

Author	Affiliation
Adriana Lopez De La Cruz	Delft University of Technology
Hans Veeke	Delft University of Technology
Gabriel Lodewijks	Delft University of Technology

ID 564 **Title** A Vehicle-To-Vehicle Cooperative Collision Warning Application

Author	Affiliation
Panagiotis Lytrivis	Institute of Communication and Computer Systems
Georgios Thomaidis	Institute of Communication and Computer Systems
Angelos Amditis	Institute of Communication and Computer Systems

ID 590 **Title** Field Testing of a Reliable In-Vehicle Navigation Algorithm

Author	Affiliation
Ioannis Kaparias	Imperial College of Science, Technology and Medicine
Michael G. H. Bell	Imperial College of Science, Technology and Medicine
Heidrun Belzner	BMW Group Forschung und Technik

ID 604 **Title** Automatic Data Acquisition in Brazilian Interstate Coach Transport

Author	Affiliation
Yaeko Yamashita	Universidade de Brasília
Willer Luciano Carvalho	University of Brasilia
Leandro Rodrigues E Silva	University of Brasilia
Marcus Vinicius Lamar	University of Brasilia
Sylvia Cotias Vasconcellos	University of Brasilia

ID 605 **Title** A Portable System for Multiple Vehicle Tracking and Route Recognition Using Harry'S Corners

Author	Affiliation
Ticiano A. C. Bragatto	University of Brasilia
Gabriel I. S. Ruas	University of Brasilia
Victor A. P. Benso	Nagoya Institute of Technology
Marcus Vinicius Lamar	University of Brasilia
Daniel Aldigueri	University of Brasilia
George L. Teixeira	University of Brasilia
Yaeko Yamashita	Universidade de Brasília

ID 614 **Title** Optimal Variable Message Sign Location Identification Using Genetic Algorithms

Author	Affiliation
Vaibhav Rathi	Massachusetts Institute of Technology
Constantinos Antoniou	Massachusetts Institute of Technology
Moshe Ben-Akiva	Massachusetts Institute of Technology
Yang Wen	Massachusetts Institute of Technology

ID 622 **Title** Using Cad/Avl Data for Performance Management

Author	Affiliation
Fabian Cevallos	Florida International University
Kevin Kirwin	Miami-Dade County
Robert Pearsall	Miami-Dade County

ID 627 **Title** Incorporating Fuel Price Impacts Into Transit Ridership forecasts

Author

Affiliation

Ashley R. Haire

University of Texas at Austin

Randy B. Machemehl

University of Texas at Austin

ID 669 **Title** Feasibility Study of Applying Personal Gps Devices in Paratransit

Author

Affiliation

Fabian Cevallos

Florida International University

Quan Yuan

Florida International University

Xiaobo Wang

Florida International University

ID 725 **Title** Information Variations and Feeder Mode Choices

Author

Affiliation

Syahriah Bachok

University of South Australia

Wen Long Yue

University of South Australia

Rocco Zito

University of South Australia

ID 726 **Title** A Gis-Based Decision Support System for Allocating Bus Stop Facilities for Disabled Riders

Author

Affiliation

Wanyang Wu

Florida International University

Albert Gan

Florida International University

L. David Shen

Florida International University

Fabian Cevallos

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ID 730 **Title** Random Proportional Weibull Hazard Model: Application to Large-Scaled Information Systems

Author

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Central Nippon Expressway Co.Ltd

ID 736 **Title** An Automated System for Collection and Analysis of Transit Stop Inventories

Author

Affiliation

Albert Gan

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Haifeng Wang

Florida International University

Kaiyu Liu

Florida International University

Fabian Cevallos

Florida International University

Ike Ubaka

Florida Department of Transportation

ID 760 **Title** Telematic Applications for Public Transport

Author

Affiliation

Richard Latislav

University of Žilina

ID 797 **Title** Real-Time Automatic Threshold Feature for Lane Detection Algorithm

Author

Affiliation

A. Faiz Sharifuddin

University of Malaya

Ahmad Saifizul Abdullah

University of Malaya

Hamzah Arof

University of Malaya

ID 856 **Title** New Collision Warning System for Turning Vehicles at Twsc Intersections

Author

Affiliation

Essam Dabbour

Ryerson University

Said Easa

Ryerson University

ID 874 **Title** Hybrid Predictive Control for Real-Time Optimization of Public Transport Systems' Operations Based on Evolutionary Multiobjective Optimization

Author

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Universidad de Chile

Doris Saez

Universidad de Chile

Freddy Milla

Universidad de Chile

Marcela Riquelme

Universidad de Chile

Alfredo Nunez

Universidad de Chile

ID 108	Title Development of Roadside Safety Barrier for Exclusive Motorcycle Lanes
Author	Affiliation
Adeoye Billyamin Ibitoye	University of Ilorin
Umar R.S. Radin	Universiti Putra Malaysia
Shaw Voon Wong	Universiti Putra Malaysia
Hamouda Abdel Magid S	Qatar University
ID 180	Title Indonesian Domestic Sea Freight Movement Modelling Based on 2003 Stramindo Data
Author	Affiliation
Ofyar Z Tamin	Institute of Technology Bandung
Rusmadi Suyuti	Agency for the Assessment and Application of Technology (B
ID 187	Title Small Area Estimation of Freight Flows: the Case of Geographically Refined Destinations
Author	Affiliation
Paul Metaxatos	University of Illinois at Chicago
ID 220	Title Application of Safety Level of Service in Traffic Safety Evaluation for Highway Intersections
Author	Affiliation
Fuquan Pan	Southeast University at Nanjing
Jian Lu	Southeast University at Nanjing
Qiaojun Xiang	Southeast University at Nanjing
ID 224	Title A Risk-Based Ve Approach for the Evaluation of Highway Traffic Safety Facilities
Author	Affiliation
Hyun-Ho Choi	Korea Highway Corporation
Dong-Han Ji	Korea Expressway Corporation
Young Tae Oh	Ajou University
Sung-Hun Kim	Infrastructure Asset Management Corporation of Seoul
ID 338	Title Competitiveness of Reginal Logistics Seaports Hubs in China
Author	Affiliation

Qiu Ying Tsinghua University

Huapu Lu Tsinghua University

ID 340 **Title** The Engineering Approach to Shape the Logistics Systems

Author **Affiliation**

Marianna Jacyna Warsaw University of Technology

ID 343 **Title** Identifying Secondary Crash Characteristics on South Florida Freeways

Author **Affiliation**

Chengjun Zhan Florida International University

Albert Gan Florida International University

Mohammed Hadi Florida International University

Luou Shen Florida International University

ID 357 **Title** Prediction of Traffic Accident Severity By Using Fuzzy Logic

Author **Affiliation**

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ID 372 **Title** Modern E-Logistics and 3S: Gis, Gps and Its

Author **Affiliation**

Peng Hu China Academy of Transportation Sciences

Jiang Yulin China Academy of Transportation Sciences

Jifeng Wang Tsinghua University

ID 380 **Title** A Study on Highway Traffic Safeguard System in Adversely Environmental Areas Based on Ad Hoc Technology-Case Study of Central and Western Areas in China

Author **Affiliation**

Li Ye Tongji University

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ID 385	Title Service-Oriented Transportation Chain Control-Framework (Cologframe) Supporting Collaborative E-Logistics
Author	Affiliation
Long Lan Luu	University of Duisburg-Essen
Tarak A. Housein	University of Duisburg-Essen
Bernd Noche	University of Duisburg-Essen
ID 409	Title Development of Safety Management Technologies of Habitally Iced Road Segments
Author	Affiliation
Young Rok Kim	Korea Institute of Construction Technology
Jun Hwa Jung	Korea Institute of Construction Technology
Chung Gyu Lee	JEIL engineering Co. Ltd
Chul Yong Kim	LEDO Co. Ltd.
ID 417	Title Evaluation on Distribution of Railway Container Freight Station
Author	Affiliation
Siyu Tao	Southwest Jiaotong University
Lei Zhang	Southwest Jiaotong University
Qiyuan Peng	Southwest Jiaotong University
ID 430	Title Probability-Based Method for Analysing Relationship Between Skid Resistance and Road Crashes
Author	Affiliation
Noppadol Piyatrapoomi	Queensland University of Technology
Justin Weligamage	Queensland Government Department of Main Roads
ID 435	Title Multi-Objective Model of Containership Loading Plan Considering the Effectiveness of Crane Employed
Author	Affiliation
Nguyen Thanh Thuy	Kobe University
Akio Imai	Kobe University & World Maritime University of Malmo
Etsuko Nishimura	Kobe University
Stratos Papadimitriou	University of Piraeus

ID 440	Title A Berth-Quay Crane Scheduling Model with Hybrid Optimization Algorithm
Author	Affiliation
Wenyuan Wang	Dalian University of Technology
Xiangqun Song	Dalian University of Technology
Zijian Guo	Dalian University of Technology
Boxin Fu	Dalian University of Technology
ID 444	Title Methodological Framework for Developing Railway Level Crossing Safety Assesment Model Using Petri Nets
Author	Affiliation
Siti Zaharah I.	University of South Australia
Wen Long Yue	University of South Australia
ID 479	Title Developing and Testing An Intelligent Real-Time Monitoring and Response System for the Safety of Railway Level Crossing
Author	Affiliation
Jiann-Sheng Wu	National Central University Taiwan
Chi-Farn Chen	National Central University of Taiwan
ID 494	Title Analysis of Traffic Accident Severity for Korean Highway Using Structural Equations Models
Author	Affiliation
Ju-Yeon Lee	Yonsei University, Seoul, Korea
Jin-Hyuk Chung	Yonsei University
Bongsoo Son	Yonsei University, Seoul, Korea
ID 579	Title A 2-Opt Based Heuristic for the Minimum Service and Minimum Weighted Service Time Berth Allocation Problem
Author	Affiliation
Maria Boile	Rutgers University
Sotirios Theofanis	Rutgers University
Mihalis Golias	Rutgers University
ID 580	Title A Statistical Model for Road Traffic Mortality Prediction
Author	Affiliation

Xiong Hui Beijing Institute of Technology

Sha Yunfei Tsinghua University

ID 582 **Title** The Some Approach of Logistics Systems Modeling

Author **Affiliation**

Mariusz Wasiak Warsaw University of Technology

ID 619 **Title** The Change of Transportation Logistics By Using the Rfid Technology on Scm

Author **Affiliation**

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ID 620 **Title** Development of a Common Framework for Risk Exposure Data in Europe

Author **Affiliation**

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Antonis Chaziris National Technical University of Athens

ID 631 **Title** Using a Federal Database and New Factors for Disaggregation of Freight to a Local Level

Author **Affiliation**

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Sandeep Jeeredy University of Alabama in Huntsville

Sampson Gholston University of Alabama in Huntsville

James Swain University of Alabama in Huntsville

Niles Schoening University of Alabama in Huntsville

ID 651 **Title** A Neural Network (Nn) Model to Predict Intersection Crashes Based Upon Crash Properties: Driver, Vehicle, and Roadway Surface Characteristics

Author **Affiliation**

Darcin Akin Gebze Institute of Technology

Bulent Akbas Gebze Institute of Technology

ID 662	Title Development of Software for Calculation of a Road Freight Transportation Company: Implementation and Validation.
Author	Affiliation
Carlos Milan	Instituto Tecnológico de Aragón
Emilio Larrode	University of Zaragoza
David Escuin Finol	University of Zaragoza
ID 664	Title Design of Decision Models for Goods Deliveries in Built-Up Areas
Author	Affiliation
Suzana Val	Zaragoza Logistics Center
Emilio Larrode	University of Zaragoza
Maria Jose Pardo	University of Zaragoza
ID 671	Title Older Drivers' Perception and Acceptance of In-Vehicle Devices for Road Safety and Traffic Efficiency
Author	Affiliation
George Yannis	National Technical University of Athens
Constantinos Antoniou	Massachusetts Institute of Technology
Sophia Vardaki	National Technical University of Athens Technical University
George Kanellaidis	National Technical University of Athens
ID 683	Title Management Plan of Shipments Ballast Water
Author	Affiliation
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Marco A. C. Ferro	Military Institute of Engineering, Rio de Janeiro
Jost C. C. Amorim	Military Institute of Engineering, Rio de Janeiro
Sabrina D. Carvalho	Military Institute of Engineering, Rio de Janeiro
ID 694	Title Its Control and Surveillance Devices Location Modeling to Improve Safety
Author	Affiliation
Afshin Shariat Mohaymany	Iran University of Science and Technology
Iraj Bargegol	University of Guilan
Kaveh Bevrani	Tehran South Islamic Azad University

ID 699 **Title** Automated Speed Enforcement Effects on Speeding and Platooning in Work Zones

Author

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ID 701 **Title** Effectiveness of Using Changeable Message Signs for Safety Campaigns

Author

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ID 705 **Title** Development of the International Friction Index Flag Value

Author

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ID 718 **Title** Defining a System of Strategic Indicators to Evaluate Terminals

Author

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Thais M. A. Villela

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Luis G. P. L. Carneiro

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ID 728	Title Gis–Based Logistic Network Design in An Intelligent Transportation System
Author	Affiliation
Pablo A. Miranda	Pontificia Universidad Católica de Valparaíso
Carola A. Blazquez	Universidad Nacional Andrés Bello
Andres Bronfman	Universidad Nacional Andrés Bello
ID 751	Title Do Portable Speed Trailers Work to Enhance Pedestrian Safety? Case Study: Las Vegas Metropolitan Area
Author	Affiliation
Mukund R. Dangeti	University of Nevada at Las Vegas
Shashi S. Nambisan	Iowa State University
Vinod Vasudevan	University of Nevada at Las Vegas
ID 776	Title Identifying the Spatial Concentration of Fatal, Injury and Pedestrian Crashes Using Gis
Author	Affiliation
Sudeshna Mitra	California Polytechnic State University
Smadar Barasch	California Polytechnic State University
ID 788	Title Traffic Accident Cause Analysis Employing Geospatial Technologies
Author	Affiliation
Karina Guerra	Universidad Nacional Andrés Bello
Carola Blazquez	Universidad Nacional Andrés Bello
Pamela Alvarez M.	Universidad Nacional Andrés Bello
ID 796	Title Quantitative Effectiveness Analysis of Vehicle Safety Inspection on Traffic Safety
Author	Affiliation
Hanseon Cho	The Korea Transport Institute
Erik Cempel	Cambridge Systematics, Inc.
Jaeik Shim	The Korea Transport Institute
Young Seok Kim	Korea Institute of Construction Technology

ID 806	Title Analyzing the Main Causes of Non-Urban Accidents in Road Transportation of Iran and Measures Taken for Their Reduction.
Author	Affiliation
Eshagh Rasouli Sarabi	Islamic Azad University of Shabestar
Ramin Vafaei Poursorkhabi	Islamic Azad University of Tabriz
ID 822	Title Advanced Contact Centre for the Enhancement of Short Sea Shipping
Author	Affiliation
Dimitrios Tsamboulas	National Technical University of Athens
Panayota Moraiti	National Technical University of Athens
Elio Cereghino	RAM Rete Autostrade Mediterranee S.p.A.
ID 853	Title Incorporating Safety in Network-Level Transportation Planning - a Framework, Software Package, and Case Study
Author	Affiliation
Godfrey Lamptey	
Lakhwinder Singh	Purdue University
Samuel Labi	Purdue University
Kumares C. Sinha	Purdue University
ID 858	Title Effects of Speed Variance on Traffic Safety on Urban Arterials
Author	Affiliation
Zerrin Ardic Eminaga	Middle East Technical University
Hediye Tuydes	Middle East Technical University
ID 861	Title A Gis-Based Tool for Road Safety Consideration in Transportation Planning
Author	Affiliation
Andrew P. Tarko	Purdue University
Mike Inerowicz	Purdue University
Jorge Ramos	Purdue University
ID 878	Title An Optimization Model for Container Ship Stowage Planning in Indented Berth Terminals
Author	Affiliation

Masoud Hamed

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Ali Haghani

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ID 893 **Title** Introducing Safety on Advanced Traveller Information Systems and Consequent Impact on Drivers' Route Choices

Author

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Carlos Azevedo

Laboratorio National de Engenharia Civil, Lisbon, Portugal

Session INTER-5 **Fri, May 30, 9:00-11:30** **Chair:** Andrew Tarko, Loukas Dimitriou

ID 1114 **Title** An Auction Theory Perception of Dynamic Congestion Pricing Strategies

Author

Affiliation

Loukas Dimitriou

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Antony Stathopoulos

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ID 1129 **Title** Effects of a New on-Street Parking Management Scheme on Park-and-Ride Facility Demand: A Preliminary Before – After Analysis

Author

Affiliation

Konstantinos Kepaptsoglou

National Technical University of Athens

Matthew Karlaftis

National Technical University of Athens

George Yannis

National Technical University of Athens

ID 151 **Title** Empirical Analysis of Multi-Anticipative Car-Following Behavior in Different Traffic Conditions

Author

Affiliation

Xiao Zhang

University of Missouri-Rolla

ID 162 **Title** The Impact of Location and Number of Traffic Counts in the Accuracy of Od Matrices Estimated from Traffic Counts Under Equilibrium Condition

Author

Affiliation

Ofyar Z Tamin

Institute of Technology Bandung

Rusmadi Suyuti

Agency for the Assessment and Application of Technology (B

ID 166	Title The Real-Time Estimation of Delay at Signalized Intersections
Author	Affiliation
Jeffrey W. Buckholz	University of North Florida
ID 182	Title The Development of the Route Guidance System and the Real Time Integrated Traffic Information System (Ritis) for Large Cities in Indonesia
Author	Affiliation
Ofyar Z Tamin	Institute of Technology Bandung
ID 208	Title Multiclass First Order Traffic Model with Spatially Discontinuous Flow-Density Relationships
Author	Affiliation
Dong Ngoduy	University of Leeds
Serge P. Hoogendoorn	Delft University of Technology
ID 217	Title A Decomposition Scheme for Estimating Dynamic Origin-Destination Flows on Actuation-Controlled Arterials
Author	Affiliation
Yingyan Lou	University of Florida at Gainesville
Yafeng Yin	University of Florida at Gainesville
ID 226	Title Research on Traffic Collection Parameters Optimization Method Based on Traffic State Detection Algorithm
Author	Affiliation
Hao Chu	Tongji University
Xiaoguang Yang	Tongji University
Yunteng Lao	
ID 227	Title Modeling Congestion of Mixed Traffic for Freeways
Author	Affiliation
An Weisheng	Southwest Jiaotong University
Zeng Donghong	Southwest Jiaotong University
ID 233	Title Application of the Variable Speed Limit Strategy to the Dynamic Merge Control at Highway Work Zones
Author	Affiliation

Kyeong-Pyo Kang

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Gang-Len Chang

University of Maryland, College Park

ID 242 **Title** Statistical Patterns of Traffic Data and Sample Size Estimation

Author

Affiliation

Nezamuddin Nezamuddin

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Joshua L. Crunkleton

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Philip J. Tarnoff

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ID 305 **Title** Application of a Wiener Process for Traffic Modeling in Toll Highways

Author

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Antonio L. Lara Galera

Universidad Politécnica de Madrid

ID 309 **Title** A Corsim Simulation Testbed for Freeway Ramp Metering Algorithms

Author

Affiliation

Chengjun Zhan

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Peng Zhu

Florida International University

Jie Bian

Florida International University

Albert Gan

Florida International University

Javier Rodriguez

Florida Department of Transportation

ID 373 **Title** Comparison Analysis of Urban Traffic Carrying Capacity Among China Cities

Author

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Peng Hu

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Jiang Yulin

China Academy of Transportation Sciences

Huapu Lu

Tsinghua University

Jifeng Wang

Tsinghua University

ID 388 **Title** Optimal Deployment Strategy for Red Light Cameras

Author

Affiliation

Richard Tay

University of Calgary

ID 447 **Title** Real-Time Traffic Signal Control in Urban Intersections with Particle Swarm Optimization Algorithm

Author**Affiliation**

Huixian Huanhg

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Wen Long Yue

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ID 466 **Title** A New Cellular Automaton Model in Traffic Simulation at a Highway Work Zone

Author**Affiliation**

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Yu-Chiun Chiou

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Zih-Shin Lin

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ID 518 **Title** An Approach Towards the Development of Capacity Model for a Roundabout

Author**Affiliation**

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Pradip Kumar Sarkar

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Bhaskar Gowd Sudagani

Feedback Ventures Private Ltd

ID 544 **Title** A Study to Pedestrian Crossing Capacity at Signalized Intersection

Author**Affiliation**

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ID 545 **Title** A Disaggregate Model for Pedestrian Crossing Facilities Selection

Author**Affiliation**

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Guo Hongwei

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ID 592 **Title** A Regional Traffic Control Algorithm Using Emerging Its Technologies

Author**Affiliation**

John L. Mclin

University of Virginia

William T. Scherer

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ID 600 **Title** Analysis of Directional Distribution Patterns of Traffic on the Jamuna Multipurpose Bridge Corridor

Author

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Samsul Hoque

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M.A. Imran

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ID 601 **Title** Exploitation of Hourly Traffic Patterns for Modeling Seasonal Factors

Author

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Chenxi Lu

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Fang Zhao

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Shanshan Yang

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ID 607 **Title** Integrated Environment of Driving and Traffic Simulation

Author

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Vincenzo Punzo

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Biagio Ciuffo

University of Napoli "Federico II"

Vincenzo Torrieri

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ID 629 **Title** Multivariate Time Series Prediction Models for Freeway Traffic Prediction on Interstate 4

Author

Affiliation

Srinivasa Ravi Chandra

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Haitham Al-Deek

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ID 630 **Title** A Simulation Model for Toll Plaza'S Layout Dimensioning

Author

Affiliation

Bruno Santana De Faria

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Vania Barcellos Gouvea Campos

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ID 639 **Title** Analysis of Traffic Accidents Using Fuzzy Clustering and Geographical Information Systems

Author

Affiliation

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Mahmut Firat

Pamukkale University

Serdar Altun

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ID 654 **Title** Short-Term Work Zone Lane Management Needs

Author

Affiliation

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Essam A. Radwan

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Shankar Ramasamy

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ID 709 **Title** Traffic Analysis Zone formation and Trip Generation Using Fuzzy Cluster Estimation

Author

Affiliation

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ID 744 **Title** Modeling the Effects of Traffic Information on Network Flow Evolutions

Author

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Sheng-Chieh Pan

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Chen-Ting Chien

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ID 764 **Title** State Transition Pattern in a Fundamental Diagram and Wave Evolution of Congested Traffic

Author

Affiliation

Jin-Hyuk Chung

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Taewan Kim

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ID 765 **Title** Microscopic Analysis of Breakdown Characteristics at Freeway Weaving Section

Author

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ID 828 **Title** Microscopic Analysis of Breakdown Phenomena at Freeway Weaving Section

Author

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ID 870 **Title** Evaluation of Recurrent Congestion in a Traffic Network Using Gps Technology

Author

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Session **INTER-6**

Fri, May 30, 14:30-18:45

Chair: Athanasios Ballis, Evangelos Kaisa

ID 1005 **Title** Tackling Property Value Deprecation and Inequity Near Airports

Author

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Guillaume Faburel

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Foteini Mikiki

Aristotle University of Thessaloniki

ID 133 **Title** Unforeseen Expectations of Automotive Market

Author

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Roohollah Sharafian Ardekani

TAMCO (Line Integrator)

ID 142 **Title** A Shock-Fitting Algorithm for the Lwr Model

Author

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Wenjun Sun

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S.C. Wong

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Peng Zhang

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Chi-Wang Shu

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ID 173	Title Optimal Design of Passenger Transfer Network Based on Integrated Transportation
Author	Affiliation
Zhang Yiyi	Southwest Jiaotong University
Peng Qiyuan	Southwest Jiaotong University
ID 195	Title A Computational System for Estimating the Travel Time on Alternative Routes
Author	Affiliation
Danilo Augusto Ferreira Dourado	
Vania Barcellos Gouvea Campos	Military Institute of Engineering, Rio de Janeiro
ID 219	Title A Research on Tod Planning Model Based on Mrt Sustainability
Author	Affiliation
Li Yan	Harbin Institute of Technology
Xu Guanghui	Harbin Institute of Technology
Wang Zheren	Harbin Institute of Technology
ID 246	Title Cognitive Proximity and Friction of Distance in Spatial Duopoly
Author	Affiliation
Ching Chang	Chung-Hua University
Yao-Hsien Lee	Chung-Hua University
Shih-Ming Ou	Chung-Hua University
ID 267	Title Using Sig in Vehicle Routing to Collect Septic Rubbish
Author	Affiliation
Luzenira Alves Brasileiro	State University of São Paulo
ID 291	Title Intelligent Transport Systems and Its Prospects in the Context of Dhaka City
Author	Affiliation
Samsul Hoque	Bangladesh University of Science and Technology
Mazifur Rahman	Bangladesh University of Engineering and Technology

ID 345	Title Home-Working and Telecommuting: a Social Geography in Quebec City
Author	Affiliation
Marius Theriault	Université Laval
Marie-Helene Vandersmissen	Université Laval
Paul Villeneuve	Université Laval
ID 367	Title An Optimal-Path Searching Model Using Discrete Choice Model
Author	Affiliation
Jin-Seok Hahn	Seoul National University
Hye-Ran Kim	Seoul National University
Seung-Young Kho	Seoul National University
ID 382	Title Optimization of Public Service Facility Distribution Based on Pedestrian Accessibility
Author	Affiliation
Pei Xin	University of Hong Kong
Huapu Lu	Tsinghua University
Jifeng Wang	Tsinghua University
ID 397	Title The Impact Study of Adelaide'S Tramline Extension Using Paramics
Author	Affiliation
Muhammad Shahin Mahmud	University of South Australia
Wen Long Yue	University of South Australia
ID 399	Title Introduction and Potential Performance of Ubiquitous Transportation Systems
Author	Affiliation
Kyeong-Pyo Kang	The Korea Transport Institute
Jiyoun Yeon	The Korea Transport Institute
Youn-Soo Kang	The Korea Transport Institute
Doohee Nam	Hansung University

ID 415 **Title** An Efficient Shortest Path Search Algorithm for Navigation Services

Author

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Tschangho John Kim

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ID 424 **Title** The Bayesian Fixed Effects Models of Discretionary Travel: the Evening Shopping Trips

Author

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ID 434 **Title** Topological Complexity Analysis of Urban Road Networks

Author

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ID 443 **Title** Link Travel Time Estimation from Rfid Based Probes in Urban Setting

Author

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ID 481 **Title** Technologies for Diagnosis and Planning: Rural School Transport and Social Inclusion

Author

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Sergio Ronaldo Granemann

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Patricia Bassalo Menezes

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ID	505	Title	Evaluation System of Riding Comfort
Author		Affiliation	
	Shan Li-Yan		Harbin Institute of Technology
	Hou Xiang-Shen		Harbin Institute of Technology
	Ma Song-Lin		Harbin Institute of Technology
ID	506	Title	Analysis of Characteristics of Trip Generation and Attraction
Author		Affiliation	
	Shi Ye		Tsinghua University
	Huapu Lu		Tsinghua University
	Nie Cong		Tsinghua University
ID	538	Title	Assessing An on-Line Passenger Information System for Mutimodal Trip Planning
Author		Affiliation	
	Konstantinos G. Zografos		Athens University of Economics and Business
	Vassilis Spitadakis		FORTnet S.A.,
	Konstantinos N. Androutsopoulos		Athens University of Economics and Business
ID	558	Title	An Analytic Network Design for Transit Under In-Vehicle Crowdedness Constraints
Author		Affiliation	
	Hyo-Seung Kim		Seoul National University
	Yong-Gwan Lee		Seoul National University
	Chang-Ho Park		Seoul National University
ID	596	Title	Pedestrian Facilities and Pedestrian Behaviour: the Situation in Dhaka City
Author		Affiliation	
	M.A. Imran		Bangladesh University of Science and Technology
	Samsul Hoque		Bangladesh University of Science and Technology
	M.A. Waresh		Bangladesh University of Engineering and Technology
	M.N. Alam		Bangladesh University of Engineering and Technology

ID 609 **Title** Solution Methods for Robust Pricing of Transportation Networks Under Uncertain Demand

Author

Affiliation

Lauren M. Gardner

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Avinash Unnikrishnan

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S. Travis Waller

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ID 618 **Title** Data Integration and Analysis for Implementing Intelligent Parking Systems

Author

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Carola Blazquez

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ID 632 **Title** Modeling the Home-To-Work Commute Timing Decisions of Fixed-Schedule Workers

Author

Affiliation

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ID 691 **Title** Determination of An Accessibility Index in Lrt System: Case Study of Mashhad

Author

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Afshin Shariat Mohaymany

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Morteza Khashaypoor

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Masoud Khodadadiyan

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ID 697 **Title** Population Synthesis with Control Category Optimization

Author

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ID 702 **Title** Using Ann for Travel Demand Estimation in Extended Urban Areas: a Case Study in the City of Napoli

Author

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ID 707 **Title** An Integrated Service Scenario Based on Ubiquitous Transportation Systems Technologies

Author**Affiliation**

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ID 727 **Title** Delay Durations and Mode Choice Behaviours

Author**Affiliation**

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ID 749 **Title** A Web-Based System for Comprehensive Analysis of National Transit Database

Author**Affiliation**

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ID 772 **Title** A Model of Parking Facilities Choosing Behavior

Author**Affiliation**

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Beijing Jiaotong University

ID 794 **Title** Travel Pattern Analysis Using Tcs Data and Gis in Korea

Author**Affiliation**

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Jin-Hyuk Chung

Yonsei University

Min Hwan Choi

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Hoon Chang

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ID	805	Title	Introduction of Strategic Situation of Iran from the Viewpoint of Possible Application of Its Transportation Potentials
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Author	Affiliation
Eshagh Rasouli Sarabi	Islamic Azad University of Shabestar
Mir Saeed Moosavi	Islamic Azad University of Tabriz

ID	819	Title	Planning School Transport: Design of Routes with Flexible Opening Times in Schools
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Author	Affiliation
Jose L. Moura	University of Cantabria
Luigi Dell'Olio	University of Cantabria
Angel Ibeas	University of Cantabria

ID	834	Title	Geospatial Tools Applied to Urban Solid Waste Collection System Design
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Author	Affiliation
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Alejandro Lamas	Universidad Nacional Andrés Bello
Carola Blazquez	Universidad Nacional Andrés Bello

ID	846	Title	Quantifying the Tradeoff Between Inference and Observation When Determining Path Flows
-----------	-----	--------------	--

Author	Affiliation
Alixandra Demers	North Carolina State University
George F. List	North Carolina State University

ID	849	Title	A Framework for Managing the Tort Liability Risks Associated with the Use of Transportation Infrastructure
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Author	Affiliation
Rita Adom	Massachusetts Institute of Technology
Thomas Giraud	SCGIB, Tour Société Générale
Samuel Labi	Purdue University
Kumares C. Sinha	Purdue University

ID	881	Title	Modelling Mode Choice for Airport Employees- Application for Athens Airport
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Author	Affiliation
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Dimitrios Tsamboulas

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ID 892 **Title** Incident Impacts on Travel Time on Urban Signalized Arterials

Author

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Eleni M. Christofa

University of California, Berkeley,

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Session **LOG**

Fri, May 30, 9:00-11:00

Chair: Luca Quadrifoglio

ID 229 **Title** Analyse the Overall Equipment Effectiveness (Oee) of An Automated Process

Author

Affiliation

Katarzyna Grzybowska

University of Technology at Poznan

ID 329 **Title** New Information Technologies in Logistics

Author

Affiliation

Halina Brdulak

Warsaw School of Economics

ID 455 **Title** Truck Scheduling and Storage Allocation for Heterogeneous Import Container

Author

Affiliation

Der-Horng Lee

Jin Xin Cao

Qixin Shi

Tsinghua University

ID 475 **Title** Integration of Hard and Soft Its Architectures for Urban Freight Transport and Logistics

Author

Affiliation

Francesco Russo

Mediterranea University of Reggio Calabria

Agata Quattrone

University of Reggio Calabria

ID 543 **Title** Characterization and Analysis of Factors That Affect on Logistics Processes and Freight Transportation By Air Mode. a Preliminary Analysis

Author

Affiliation

Maria Perez

Zaragoza Logistics Center

Suzana Val

Zaragoza Logistics Center

ID 575 **Title** Application of Simulation to Improve Volume Through a Seaport Coal Terminal

Author**Affiliation**

Gregory Harris

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ID 577 **Title** Ict Solutions for the Optimization of Freight Transport and Logistics Services at a Regional Level

Author**Affiliation**

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Gian Carla Cassone

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Domenico Palamara

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Antonella Polimeni

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ID 868 **Title** A Heuristic Approach for Minimising the Costs in Goods Distribution

Author**Affiliation**

Angela Di Febraro

University of Genoa

Enrico Gattorna

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Nicola Sacco

University of Genoa

Session **MAR**

Thu, May 29, 11:30-13:30

Chair:

Evangelos Sambracos

ID 336 **Title** Repositioning of Empty Containers with in the Feeder System

Author**Affiliation**

Danijela Tuljak-Suban

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Valter Suban

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Elen Twrdy

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ID 377 **Title** Set-Pair Analysis on the Competitiveness of Global Shipping Hub

Author**Affiliation**

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Lijing Qin Dalian Maritime University

ID 450 **Title** An Analysis of Efficiency on Korean Shippers

Author

Affiliation

Pim Pattanamekar

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Chansung Kim

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ID 480 **Title** Berth and Quay Crane Allocation: a Moldable Task Scheduling Model

Author

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Jacek Blazewicz

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Maciej Machowiak

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T.C.Edwin Cheng

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Ceyda Oguz

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ID 573 **Title** Integrated Approach for Optimal Resource Allocation in Import Blocks of a Container Terminal

Author

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Isam Kaysi

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Farah Mneimneh

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ID 723 **Title** Using Dta Based Microsimulation to Estimate Benefits from the Operation of a Virtual Container Yard (Vcy)

Author

Affiliation

Sotirios Theofanis

Rutgers University

Maria Boile

Rutgers University

ID 843 **Title** Performance and Application Fields of Sea Side Port Capacity Models

Author

Affiliation

Gabriele Malavasi

University of Rome "La Sapienza"

Cristiano Marinacci

University of Rome "La Sapienza"

Stefano Ricci

University of Rome "La Sapienza"

ID 855 **Title** Advanced Methodologies Application on Ship Design in the Multimodal Logistics Framework

Author

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Christiana C. Gkohari

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Ivan Ostvik

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Apostolos Papanikolaou

National Technical University of Athens

Session **NTECH-1** **Wed, May 28, 11:30-13:30** Chair: Dimitrios Tsamboulas

ID 1100 **Title** Invited Speech: "Using Technology to Improve the Efficiency of Transportation Mega-Projects"

Author

Affiliation

James S. Simpson

Federal Transit Administration

ID 511 **Title** Technical Administrative and Procedural Considerations for the Development of Interoperable Electronic Toll Collection Systems

Author

Affiliation

Bill Halkias

Attikes Diadromes S.A.

Helen Tyrogianni

Attikes Diadromes S.A.

Dimitrios Mandalozis

Attikes Diadromes S.A.

ID 547 **Title** A Decision Tool for Promoting Sustainable Energy Pathways for Public Buses' Fleets-Starbus Project

Author

Affiliation

Gabriel Plassat

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CRES- Center for Renewable Energy Sources of Greece

Loukas Gavriil

CRES- Center for Renewable Energy Sources of Greece

Grigoris Zoidis

CRES- Center for Renewable Energy Sources of Greece

ID 599 **Title** A Study on Identifying Bus-off Locations with Bus Intelligent Card Information

Author

Affiliation

Wei Wang

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Xuewu Chen

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Jun Chen

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ID 865 **Title** The Use of Automated Data Collection Systems to Improve Public Transport Performance

Author**Affiliation**

Nigel H.M. Wilson

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John P. Attanucci

Massachusetts Institute of Technology

Joanne Chan

Opera Solutions

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Session **NTECH-2** **Thu, May 29, 14:30-16:30** Chair: Larry Rillet

ID 124 **Title** Nonlinear Range Policy for Adaptive Cruise Control Vehicles in Cellular Automaton Model

Author**Affiliation**

Rui Jiang

University of Science and Technology of China

Mao-Bin Hu

University of Science and Technology of China

Bin Jia

Beijing Jiaotong University

Qing-Song Wu

University of Science and Technology of China

ID 155 **Title** Evaluation and Installation Guidelines for Advance Warning Signal Systems

Author**Affiliation**

Grant G. Schultz

Brigham Young University

A. Paul Jensen

Horrocks Engineers

ID 211 **Title** Image Processing Artificial Neural Networks for Vehicle Make and Model Recognition

Author**Affiliation**

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Christos-Nikolaos Anagnostopoulos

University of the Aegean

Eleftherios Kayafas

National Technical University of Athens

Vasilios Loumos

National Technical University of Athens

ID 222 **Title** Prediction of Vehicle Hydroplaning Using Vehicle Simulation

Author**Affiliation**

Ghim Ping Ong

Purdue University

ID 473 **Title** Design of a Proactive Ramp Control Algorithm and the Assessment of Its Effectiveness Compared to Other Control Methods

Author**Affiliation**

Roland Trapp

Ing.-Büro Dr. Trapp

ID 560 **Title** Integrated Interface of Inputs and Outputs Among Transcad, Synchro, and Vissim

Author**Affiliation**

Tien-Pen Hsu

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Y.-J. Lin

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ID 602 **Title** Applying a Vehicle Classification Algorithm to Model Long Multiple Trailer Truck Exposure

Author**Affiliation**

Jonathan D. Regehr

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Jeannette Montufar

University of Manitoba

Dan Middleton

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ID 695 **Title** Bayesian and Monte Carlo Simulation Approaches for Risk Analysis of Intelligent Transportation System Investments

Author**Affiliation**

Ata M. Khan

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Session **NTECH-3** **Thu, May 29, 16:45-18:45** Chair: Haris Koutsopoulos

ID 167 **Title** The Actmap to Feedmap Framework Automatic Detection and Incremental Updating for Advanced In-Vehicle Applications

Author**Affiliation**

Jan Løwenau

BMW Group Forschung und Technik

Sinisa Durekovic

NAVTEQ

Bernd Thomas

NAVIGON AG

Hans-Ulrich Otto

Tele Atlas Deutschland GmbH

ID 168 **Title** Adaptive Speed Recommendation in Feedmap: Real Time Map Information with Map Deviation Detection for Advanced In-Vehicle Applications

Author**Affiliation**

Sinisa Durekovic

NAVTEQ

ID 268 **Title** Economic Assessment of Its-Based Road Safety Technologies: An Exploratory Study

Author**Affiliation**

Knut Veisten

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Alena Erke

Institute of Transport Economics at Oslo

ID 521 **Title** A Study on Development and Application of the Level of Service for Its

Author**Affiliation**

Sungho Oh

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Gyeongsuk Kim

Kongju National University

Backjin Lee

Korea Research Institute for Human Settlements (KRIHS)

Kyoungah Rhee

Korea Research Institute for Human Settlements (KRIHS)

ID 616 **Title** Apts Data Archiving and Mining System (Adams)

Author**Affiliation**

Fabian Cevallos

Florida International University

Xiaobo Wang

Florida International University

ID 713 **Title** Application of Automated Video Analysis for Behavioural Studies: Concept and Experience

Author**Affiliation**

Aliaksei Lareshyn

Lund University

Hakan Ardo

Lund University

Thomas Jonsson

Lund University

Ase Svensson

Lund University

ID 786 **Title** Drivers' En-Route Diversion Response to Graphical Variable Message Sign in Shanghai, China

Author**Affiliation**

Gan Hong-Cheng

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Ye Xin

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ID 864 **Title** Mechatronics Support for Mobile Wheelchairs

Author

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Yuta Sato

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Kazuhiko Terashima

Toyohashi University of Technology,

Session **NTECH-4**

Fri, May 30, 9:00-11:00

Chair: Darcy Bullock

ID 398 **Title** Buses As Probes: Archived Vs. Real-Time Avl

Author

Affiliation

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Jie Lin

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ID 621 **Title** Development of Advanced Positioning and Videography Tools for Mobile Mapping: Implementation in 1000 Km of Roads in Greece

Author

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Claude Laflamme

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George Soilemezoglou

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ID 652 **Title** Location of Vehicle Identification Sensors to Monitor Travel -Time Performance

Author

Affiliation

Pitu B. Mirchandani

University of Arizona at Tucson

Monica Gentili

University of Salerno

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University of Arizona at Tucson

ID 661 **Title** Comparison of Available Rear Vision Systems for Heavy Trucks

Author

Affiliation

Achilleas Kourtellis	University of South Florida
Pei-Sung Lin	University of South Florida
Chanyoung Lee	University of South Florida
Peter Hsu	Florida Department of Transportation
Jiguang Zhao	University of South Florida

ID 688 **Title** Left Turns, Green Lights, Crash Avoidance and Wireless Technologies: Harnessing Vehicle-Infrastructure Integration for Intersection Users

Author	Affiliation
James A. Misener	University of California PATH Program

ID 689 **Title** Improving Traffic Information By Utilizing User Created Content (Ucc/Web 2.0)

Author	Affiliation
Miyoung Bin	Gyeonggi Reaearch Institute
Wansoo Im	VERTICES, LLC
Seung Namkoong	Korea Expressway Corporation

ID 766 **Title** Effects of Detection Zone Changes in the Performance of Video Detection Systems at Intersections

Author	Affiliation
Juan Medina	University of Illinois at Urbana-Champaign
Madhav V. Chitturi	University of Illinois at Urbana-Champaign
Rahim F. Benekohal	University of Illinois at Urbana-Champaign

ID 875 **Title** Cybercars: New Developments and Future Applications

Author	Affiliation
Michel Parent	Institut National de Recherche en Informatique et en Automa

Session **NTECH-5** **Fri, May 30, 11:30-13:30** **Chair:** Konstantinos Zekkos

ID 310 **Title** Integrating Smartdust Into Intelligent Transportation Systems

Author	Affiliation
Budi Arief	Newcastle University
Phil Blythe	Newcastle University
Richard Fairchild	Newcastle University

ID 352 **Title** Methodology for Vehicle Trajectory Detection Using Long Distance Image Tracking

Author**Affiliation**

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The Korea Transport Institute

Joon-Young Min

Sangji Youngseo College

Byungdo Heo

Sangji Youngseo College

Nakmoon Sung

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ID 355 **Title** Functional Criteria for the Traffic Incident Management System Based on Vehicular Sensor Network

Author**Affiliation**

Eunmi Park

Mokwon University

Hyejin Cho

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ID 563 **Title** Enhanced Curve Speed Warning Application Using Multiple Sources of Information for Extracting Road Geometry

Author**Affiliation**

Manolis Tsogas

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Panagiotis Lytrivis

Institute of Communication and Computer Systems

Angelos Amditis

Institute of Communication and Computer Systems

ID 615 **Title** An Evaluation of Impedance Gauge Calibration Methods for Hma Density

Author**Affiliation**

Stacy G. Williams

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Kevin D. Hall

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ID 680 **Title** Abs - Braking Distance Simulation. a Tool for Determining Critical Road Design Parameters

Author**Affiliation**

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ID 825 **Title** Towards the Development of Intelligent Navigation Support Systems for Group Shipping and Global Marine Traffic Control

Author

Affiliation

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Masaaki Inaishi

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Hayato Kondo

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ID 857 **Title** Intelligent Public Transport Systems in An Era of Change. the Case of the Bus Based Public Transport System of Thessaloniki

Author

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Session **NTECH-6**

Fri, May 30, 14:30-16:30

Chair: Dimitrios Dimitriou

ID 122 **Title** Thresholds for Collision Warning in An Asv Development

Author

Affiliation

Tang-Hsien Chang

National Taiwan University

Yi-Ping Tseng

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ID 186 **Title** Development of Adaptive Tracking Technology for the University of Illinois at Chicago Shuttle Bus

Author

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Paul Metaxatos

University of Illinois at Chicago

Rajmonda Sulo Caceres

University of Illinois at Chicago

Jim Limber

University of Illinois at Chicago

George Yanos

University of Illinois at Chicago

ID 190 **Title** Moving Objects and Road Borders Tracking Using a Laser Scanner

Author

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Angelos Amditis

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ID 199 **Title** Securing Trade Lanes Using An Autonomous Tracking Device

Author

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Francois Dolivo

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Reto Hermann

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Dirk Husemann

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Andreas Schade

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ID 410 **Title** A New Wireless Sensors Networks of Traffic Monitoring and Information Collection

Author

Affiliation

Liqiang Yang

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ID 690 **Title** Development of a Comprehensive onboard Monitoring System for Truck Driver Safety

Author

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University of California PATH Program

ID 743 **Title** Bus Collision Warning Systems: the Effect of In-Vehicle Interface Designs on Driving Safety

Author

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Chung-Hua University

ID 754 **Title** Utilization of Wireless Truck Position Data to Determine

Author

Affiliation

Jeffrey B. Short

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Crystal Jones

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ID 287 **Title** Multi-Users Uwb Inter-Vehicles Communication System Using Mgf and Ds-Cdma

Author**Affiliation**

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Atika Rivenq

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Jean-Michel Rouvaen

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ID 378 **Title** Effectiveness of Road Safety Messages on Variable Message Signs

Author**Affiliation**

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Alex De Barros

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ID 469 **Title** Travis: a Novel Traffic Visual Monitoring System

Author**Affiliation**

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Kyriakos Georgouleas

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Petros Violakis

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ID 546 **Title** Application of Advanced Technologies in Transportation: Contractual and Legal Challenges

Author**Affiliation**

Ioanna Ch. Karakaidou

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ID 581 **Title** Modelling Advanced Traveller Information Systems Acquisition and Effect on Travellers Choices: An Extended Literature Review

Author**Affiliation**

Athena Tsirimpa	University of the Aegean
Amalia Polydoropoulou	University of the Aegean
Constantinos Antoniou	Massachusetts Institute of Technology

ID 642 **Title** New Driver Assistance Systems: Improving Perceived Safety and Breaking Vicious Circle of Safety Related Weight Gain

Author	Affiliation
Gerfried Cebrat	FMG AMOR
Peter Cox	University of Chester
Torbjorn Gustavsson	Göteborgs Universitet

ID 668 **Title** Emerging Data Collection Technologies and Their Impact on Traffic Management Applications

Author	Affiliation
Constantinos Antoniou	Massachusetts Institute of Technology
Ramachandran Balakrishna	Caliper Corporation
Haris N. Koutsopoulos	The Royal Institute of Technology at Stockholm

ID 687 **Title** A System for Wide Area Travellers to Provide Infomobility Services

Author	Affiliation
Luigi La Franca	University of Palermo
Giuseppe Salvo	University of Palermo
Gianfranco Amato	University of Palermo
Pietro Zito	University of Palermo

Session **PAV-1** **Wed, May 28, 11:30-13:30** Chair: Andreas Loizos

ID 130 **Title** Empirical Modeling of Pavement Overlay Crack Progression with Field Data

Author	Affiliation
Samer M. Madanat	University of California, Berkeley
Ziad Nakat	The World Bank

ID 165 **Title** A Fractal Texture Features Method for Classification of Pavement Surfaces

Author	Affiliation
Wang Hua	Harbin Institute of Technology

Hou Xiang-Shen

Harbin Institute of Technology

Ma Songlin

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ID 236 **Title** Strain Measurement and Analysis of Cement Concrete Pavement Subjected to Moving Axle Loads

Author

Affiliation

Ma Songlin

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Li Xinkai

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Jin Shanshan

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ID 255 **Title** Evaluation of Urban Pavement Rutting Reparation Using Finite Element Modeling

Author

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Bassem Ali

University of Sciences and Technologies of Lille

Marwan Sadek

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Isam Shahrour

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ID 272 **Title** 3-D Modeling of Concrete Pavements: Interesting Observations

Author

Affiliation

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Yinhui Liu

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ID 328 **Title** Analysis and Evaluation of Road Roughness

Author

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Hou Xiang-Shen

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Wang Hua

Harbin Institute of Technology

Yu Renjie

ID 693 **Title** Evaluation of Rutting in Cracked, Seated and Overlaid Concrete Pavements

Author

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Ashraf Rahim

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Khalid Ghuzlan

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ID 842 **Title** Runway Construction Using Lime Stabilization in Sub-Grade and Foam-Cement Strengthening of Base Materials in Ardebil-Iran

Author

Affiliation

Amir Kavussi

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Leila Hashemian

Tarbiat Modares University

Session **PAV-2**

Fri, May 30, 14:30-16:30

Chair: Ivan Damnjanovic

ID 172 **Title** Brick Rubble As a Sub-Base Material for Pavement Construction

Author

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ID 194 **Title** Biosolids As a Construction Material for Engineered Fills

Author

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ID 202 **Title** Ground Penetrating Radar in Pavement Management

Author

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Carl Rascoe

Rutgers University

Rambod Hadidi

MACTEC Engineering and Consulting

Ali Maher

Rutgers University

ID 314 **Title** Effect of Temperature on the Strength Development of Fly Ash Stabilized Mixes

Author

Affiliation

Sanja Dimter

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Tatjana Rukavina

University of Zagreb

ID 439 **Title** The Design and Test of Coarse Aggregate Gap Gradation Asphalt Concrete

Author

Affiliation

Sha Qinglin

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ID 659 **Title** Precision of Non-Destructive Test Methods for Field Density of Asphalt Pavements

Author

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Kevin D. Hall

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ID 710 **Title** Predicting Joint Faulting in Jcp Upon the Effect of Subgrade Using Ann

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Marcelo Bustos

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ID 737 **Title** Semi-Rigid Pavement Structural Analysis Using Finite Element Approach

Author

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Shunxin Yang

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Session **PUBTRAN** **Wed, May 28, 11:30-13:30** Chair: Stratos Papadimitriou

ID 234 **Title** User Satisfaction in Interurban Bus Transit: Modelling Relevant Variables and Their Influence

Author

Affiliation

Marta Rojo

University of Burgos

Luigi Dell'Olio

University of Cantabria

Jose L. Moura

University of Cantabria

Hernan Gonzalo

University of Burgos

ID 247	Title A Survey Research on the Users' Satisfaction with the Brt in Beijing
Author	Affiliation
Jang-Won Jin	Chungju National University
Jing Shi	Tsinghua University
ID 322	Title Evaluation of Transit Operations Using a Regional Dynamic Traffic Assignment and Simulation Approach
Author	Affiliation
Virginia P. Sisiopiku	University of Alabama at Birmingham
Kyriacos C. Mouskos	The City College of New York
Curtis Barrett	Vista Transport Group
Abdul M. Abro	University of Alabama at Birmingham
Neville A. Parker	City College of New York
ID 339	Title Energy Efficiency Technology: Sustainability for Urban Public Transport
Author	Affiliation
Giovanna Megumi Ishida Tedesco	University of Brasilia
Nei Simas Andrade De Oliveira	
Erika Cristine Kneib	University of Brasilia
Paulo Cesar Marques Da Silva	University of Brasilia
ID 420	Title Probability Based Bus Headway Regularity Measure
Author	Affiliation
Minyan Ruan	University of Illinois at Chicago
Jie Lin	University of Illinois at Chicago
ID 451	Title Assessing the Importance of Information for the Case of Madrid Public Transport
Author	Affiliation
Lara Ventoso	Fundacion Movilidad
Juan Luis Villalar	Universidad Politécnic de Madrid
Javier Chamorro	Mobility and Accesibility Department Regional Transports Co
L. Pastor Sanz	Technical University of Madrid (UPM)

ID 487 **Title** Innovative Financing for Public Transport: Alternatives, Success Stories and the Greek Reality

Author**Affiliation**

Eleni A. Gioti

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Eleni Ch. Zacharakis

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ID 886 **Title** A Definition By Case Study of Profit Limits for a Demand Responsive Public Transport System

Author**Affiliation**

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Session **RAIL-1** **Thu, May 29, 9:00-11:00** **Chair:** Basil Stefanis

ID 260 **Title** Coupling of Synchronous and Asynchronous Methods in the Simulation of Railway Operation

Author**Affiliation**

Frederic Weymann

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Alexander Kuckelberg

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Ekkehard Wendler

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ID 311 **Title** Effects of Train Impacts on Urban Turnouts: Modeling and Validation Through Measurements

Author**Affiliation**

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Ioannis Anastasopoulos

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Stefano Alfi

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Andre Van Leuven

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George Gazetas

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ID 315 **Title** Advanced Methods for the Reduction of Train Impacts on Urban Turnouts: Analytical Evaluation and Real-Scale Verification of New Concepts

Author**Affiliation**

Ioannis Anastasopoulos	National Technical University of Athens
Stefano Alfi	Politecnico di Milano
Stefano Bruni	Politecnico di Milano
Andre Van Leuven	D2S International
Marios Apostolou	National Technical University of Athens
George Gazetas	National Technical University of Athens

ID 316 **Title** Evaluation of Green Wave Policy in Real-Time Railway Traffic Management

Author	Affiliation
Francesco Corman	Delft University of Technology
Andrea D'Ariano	Delft University of Technology
Dario Pacciarelli	Universit`a degli Studi Roma Tre
Marco Pranzo	University of Siena

ID 489 **Title** A Game Theoretic Approach for Simulation-Based Planning of Large Railway Networks

Author	Affiliation
Sebastian G. Klages	RWTH Aachen University
Ekkehard Wendler	RWTH Aachen University

ID 836 **Title** Carrying Capacity of Complex Railway Nodes

Author	Affiliation
Gabriele Malavasi	University of Rome "La Sapienza"
Francesco Rotoli	University of Rome "La Sapienza"

ID 880 **Title** Optimal Railway Wagon Asset Management By Use of Advanced Information Systems

Author	Affiliation
Athanasios Ballis	National Technical University of Athens
Loukas Dimitriou	National Technical University of Athens

ID 999 **Title** Hellenic Railways: An analysis of the Profile and Satisfaction of Transport and Railway Users

Author	Affiliation
Panagiota Kouri - Toyas	Hellenic Railways

ID 183 **Title** Reinventing Institutions: An Attempt to Lower Rail Transport Risks

Author

Affiliation

Vincent Van Der Vlies

Radboud University

R.E.C.M. Van Der Heijden

Radboud University

Shamid I. Suddle

Delft University of Technology

ID 284 **Title** Modeling the Effects of High Speed Rail Service on Passenger Loyalty: An Empirical Study

Author

Affiliation

Jui-Sheng Chou

National Chung Cheng University

Changwan Kim

Chung-Ang University

Pei-Ying Ma

National Chung Cheng University

ID 335 **Title** Estimation of Railway Capacity Using Stochastic Optimal Control Models

Author

Affiliation

Giovanni Longo

University of Trieste

Roberto Stok

University of Trieste

ID 412 **Title** The Study on Passenger Dedicated Line and Existed Railway Transportation Organization While Opening Sunset-Departure and Sunrise-Arrival Train

Author

Affiliation

Jian Luo

Southwest Jiaotong University

Qiyuan Peng

Southwest Jiaotong University

ID 468 **Title** Value Engineering in Railroad Projects

Author

Affiliation

Paolo Discetti

University of Naples "Federico II"

Renato Lamberti

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ID 486 **Title** Rail Transport Advances and the Future of the Greek Railways: a Strategic Approach

Author

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ID 692 **Title** Decision Making on Ertms at the High-Speed Railway Amsterdam-Antwerp

Author**Affiliation**

Jaap Vleugel

Delft University of Technology

John Baggen

Delft University of Technology

John Stoop

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ID 826 **Title** Mission and Activities of the Railway Infrastructure Manager-Management Tools

Author**Affiliation**

Christos Pyrgidis

Aristotle University of Thessaloniki

Session **SAFT-1**

Fri, May 30, 9:00-11:00**Chair:** George Yannis

ID 205 **Title** Research of Collision Avoidance Behavior in Traffic Conflict on Highway Intersection

Author**Affiliation**

Lu Chuan

Southeast University at Nanjing

Xiang Qiao-Jun

Southeast University at Nanjing

Wu Qun

Southeast University at Nanjing

ID 384 **Title** Intersection Safety Cameras: Deployment Strategies for Maximal Efficacy and Safety

Author**Affiliation**

Richard Tay

University of Calgary

Alex De Barros

University of Calgary

ID 442 **Title** Methodology for Evaluating Rear-End Collision Potential Based on Vehicle Image Tracking

Author**Affiliation**

Cheol Oh

Hanyang University at Ansan

Jutaek Oh

The Korea Transport Institute

Joonhyung Kim

Hanyang University at Ansan

Taijin Song

Hanyang University at Ansan

ID 535 **Title** Human Centred Design of Advanced Technologies in Road Transportation: Safety Issue for Informative and Assistive Systems.

Author	Affiliation
Annie Pauzie	Institut National de Recherche sur les Transports et leur Sécurité

ID 583 **Title** Implementation of a Gps Based Software Tool to Conduct Road Inventory and Safety Audits

Author	Affiliation
Benjamin Colucci	University of Puerto Rico at Mayagüez
Alberto M. Figueroa	University of Puerto Rico at Mayagüez
Kelvin R. Santiago	University of Wisconsin-Madison

ID 588 **Title** Effectiveness of Adas in Road Safety Related to Truck–Car Accident

Author	Affiliation
Salvatore Cafiso	University of Catania
Alessandro Di Graziano	University of Catania

ID 628 **Title** Expected Safety Effects for Driver Assistance Systems

Author	Affiliation
Marion Wiethoff	Delft University of Technology
Dick De Waard	Delft University of Technology
Guenter Wenzel	University of Stuttgart
Klaas De Brucker	VLEKHO Business school
Ewoud Spruijtenburg	Delft University of Technology
Karel Brookhuis	Delft University of Technology
Vincent Marchau	Delft University of Technology

ID 852 **Title** Dynamic Speed and Headway Management in Work Zones

Author	Affiliation
Madhav V. Chitturi	University of Illinois at Urbana-Champaign
Rahim F. Benekohal	University of Illinois at Urbana-Champaign

Session **SAFT-2** **Fri, May 30, 11:30-13:30** **Chair:** George Mintsis

ID 250	Title Geographically-Weighted Regression Models for Improved Predictability of Urban Intersection Vehicle Crashes
Author	Affiliation
Srijan Adhikari	Illinois Institute of Technology
Zongzhi Li	Illinois Institute of Technology
ID 304	Title Exploration of Crash Prone Traffic Conditions on Freeways in the Netherlands Using Random forests
Author	Affiliation
Mohamed Abdel-Aty	University of Central Florida
Anurag Pande	University of Central Florida
Abhishek Das	University of Central Florida
Willem Jan Knibbe	Rijkswaterstaat Transport Research Centre
ID 323	Title Full-Scale Data Mining and Analysis of Work Zone Crashes: a Case of Utah'S Highways
Author	Affiliation
Mitsuru Saito	Brigham Young University
Thomas G. Jin	Brigham Young University
Todd G. Remund	ATK Launch Systems
Dennis L. Eggett	Brigham Young University
ID 392	Title Detecting Unsafe Roadways with Spatial Statistics: Point Patterns and Geostatistical Models
Author	Affiliation
Paul J. Ossenbruggen	University of New Hampshire
Ernst Linder	University of New Hampshire
Belinda Nguyen	Willis Programs
ID 426	Title Methodological Approach to Incorporate Heterogeneity in Crash Count Models: a Median Crossover Crash Case Study
Author	Affiliation
Sittipan Sittikariya	DKS Associates
Venkataraman N. Shankar	Pennsylvania State University

ID 800 **Title** Risk Index Modelling for Real Time Motorway Traffic Crash Prediction

Author

Affiliation

Salem H. Haj

Institut National de Recherche sur les Transports et leur Sécurité

Jean-Patrick Lebacque

Institut National de Recherche sur les Transports et leur Sécurité

ID 860 **Title** Probabilistic Data Linking for Mapping Crashes in Large Networks

Author

Affiliation

Andrew P. Tarko

Purdue University

Jose Thomaz

Purdue University

Darion Grant

Purdue University

ID 885 **Title** Proposal for An Accident Prediction Model in Relation to Road Surface Characteristics and to Environmental Conditions

Author

Affiliation

Mario Cordasco

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Federica Crocco

Dipartimento di Pianificazione Territoriale, Rende (CS)

Domenico Walter Edvige Mongelli

Dipartimento di Pianificazione Territoriale, Rende (CS)

Session **SAFT-3**

Fri, May 30, 14:30-16:30

Chair: Panos Papaioannou

ID 342 **Title** An Approach to Identify the Potential Hazard Locations for An Urban Arterial Network Being Designed

Author

Affiliation

Xianghai Meng

Harbin Institute of Technology

Shi An

Harbin Institute of Technology

Hongfei Sheng

Harbin Institute of Technology

Xiaoning Wang

Harbin Institute of Technology

ID 462 **Title** Reset to Zero and Specify Safety Systems According to Real-World Needs

Author

Affiliation

Nikolaos Gkikas

Loughborough University

Julian R. Hill

Loughborough University

John H. Richardson

Loughborough University

ID 541 **Title** Operating Speed and Safety in Approach to Road Tunnels

Author

Affiliation

Gianluca Dell'Acqua

University of Napoli "Federico II"

Maria Luisa De Guglielmo

University of Napoli "Federico II"

ID 551 **Title** Factors Associated with the Relationship Between Motorcycle Deaths and Economic Growth

Author

Affiliation

Teik Hua Law

Imperial College of Science, Technology and Medicine

Robert B. Noland

Imperial College of Science, Technology and Medicine

Andrew W. Evans

Imperial College of Science, Technology and Medicine

ID 655 **Title** Increasing the Traffic Safety on Motorways Exposed to Strong Wind

Author

Affiliation

Petar Sesar

Civil Engineering Institute of Croatia

Mirjana Masala-Buhin

Civil Engineering Institute of Croatia

Ana Krecak

Civil Engineering Institute of Croatia

ID 750 **Title** Setting Speed Limits for National and Provincial Highways

Author

Affiliation

Xiaoming Zhong

Chelbi Engineering Consultants, Inc.

Jing Qi

Florida International University

Jia Jia

Chelbi Engineering Consultants, Inc.

Jian Zhang

Chelbi Engineering Consultants, Inc.

Zhinghua Wei

Beijing University of Technology

ID 813 **Title** A New Look Into Dilemma Zone Associated Dilemma Hazard and Crash Potential

Author

Affiliation

Li Pengfei

Virginia Polytechnic Institute and State University

Montasir Abbas

Virginia Polytechnic Institute and State University

ID 862 **Title** Screening Road Networks for Hazardous Locations – Addressing the Local Roads Issue

Author

Affiliation

Andrew P. Tarko

Purdue University

Azam Shafiul

Purdue University

Session **SAFT-4**

Fri, May 30, 16:45-18:45

Chair:

Sauna Hallmark

ID 212 **Title** Developing Road Departure Crash Surrogates

Author

Affiliation

Shauna Hallmark

Iowa State University

Linda Ng Boyle

University of Iowa

Tom Maze

Iowa State University

Alicia Carriquiry

Iowa State University

Neal Hawkins

Iowa State University

Omar Smadi

Iowa State University

Reginald R. Souleyrette

Iowa State University

Tom J. McDonald

Iowa State University

ID 318 **Title** Crash Involvement Potential of Novice Drivers

Author

Affiliation

Santha Chandraratna

Gresham Smith Partners

Nikiforos Stamatiadis

University of Kentucky

ID 370 **Title** Trend Prediction and Countermeasure Suggestions for Traffic Accidents in China

Author

Affiliation

Wang Haiwei

Tsinghua University

Huapu Lu

Tsinghua University

Nie Cong

Tsinghua University

ID 512 **Title** Experimental Monitoring of Characteristics of Risk Perception By Drivers and Appropriate Modelling with the Use of the Fuzzy Method

Author

Affiliation

Nikolaos E. Eliou

University of Thessaly

Vassilios A. Profillidis

Democritus University of Thrace

George N. Botzoris

Democritus University of Thrace

ID 586 **Title** A Collaboration Model for Assesment of Intermodal Transportation Security

Author

Affiliation

Elisabeth Gundersen

Florida Atlantic University

Evangelos Kaisar

Florida Atlantic University

Ramesh Teegavarapu

Florida Atlantic University

ID 686 **Title** Sensitivity of Road Safety Indicators in Normal and Crash Cases

Author

Affiliation

Minh-Hai Pham

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Olivier De Mouzon

Institut National de Recherche sur les Transports et leur Sécu

Edward Chung

Ecole Polytechnique Federale de Lausanne (EPFL)

Nour-Eddin El Faouzi

Institut National de Recherche sur les Transports et leur Sécu

ID 773 **Title** Associations Between Trust and Perceived Usefulness As Drivers Adapt to Safety Systems

Author

Affiliation

Birsen Donmez

University of Iowa

Linda Ng Boyle

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John D. Lee

University of Iowa

ID 784 **Title** Evaluating the Effectiveness of Pedestrian Safety Improvement Countermeasures

Author

Affiliation

Shashi S. Nambisan

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Vinod Vasudevan

University of Nevada at Las Vegas

Mukund R. Dangeti

University of Nevada at Las Vegas

Vinay Virupaksha

University of Nevada at Las Vegas

Session **TPLAN-1** **Wed, May 28, 14:30-16:30** Chair: Sergio Jara-Diaz

ID 210 **Title** Travel Time Distribution of Origin-Destination During Incident Using Dta

Author

Affiliation

Camille N. Kamga The City College of New York

Kyriacos C. Mouskos The City College of New York

Robert E. Paaswell The City College of New York

ID 433 **Title** Heuristic Spreadsheet Model for Stochastic Equilibrium Transportation Networks

Author

Affiliation

Halim Ceylan Pamukkale University

Soner Haldenbilen Pamukkale University

Huseyin Ceylan Pamukkale University

Ozgur Baskan Pamukkale University

ID 500 **Title** Automatic Diversion Plan Generation for Major Road Networks

Author

Affiliation

Jill Weekley TRL Limited

Simon Wilson TRL Limited

George Lunt TRL Limited

Jennie Boyd Highways Agency, England

John Lewis Highways Agency, England

ID 504 **Title** Toward and Automated Incident Analysis Process Using Archived Data on the Portland Oregon Freeway System

Author

Affiliation

Suman Tasnim Washington State Department of Transportation

Christopher M. Monsere Portland State University

Robert L. Bertini Portland State University

ID 561 **Title** A System Dynamics Model of Urban Transportation System and Its Application

Author

Affiliation

Jifeng Wang Tsinghua University

Huapu Lu Tsinghua University

Pei Xin University of Hong Kong

ID 625	Title Development of An Adaptive Route Choice Model Using a Fuzzy Decision Tree Learning Algorithm
Author	Affiliation
Kyounga Park	Imperial College of Science, Technology and Medicine
Michael G. H. Bell	Imperial College of Science, Technology and Medicine
Heidrun Belzner	BMW Group Forschung und Technik
ID 799	Title TopI: Tools for Operations Planning
Author	Affiliation
Pravin Varaiya	University of California, Berkeley
ID 998	Title The Feasibility of Bayesian Imputation of Non-Chosen Attribute Values in Revealed Preference Surveys
Author	Affiliation
Srinath Krishna Ravulaparthu	Arizona State University
Simon Washington	Arizona State University
John Rose	University of Sydney
Session TPLAN-2	Wed, May 28, 16:30-18:30 Chair: Simon Washington
ID 184	Title Modeling the Impact of Socioeconomic Development on Aggregate Travel Demand in Taiwan: a Structural Equation Modelling Approach
Author	Affiliation
Ming-Hsiung Hsiao	Sue-Te University
ID 299	Title Congestion Impacts, Fuel Tax and Road Pricing
Author	Affiliation
Sauna-Aho Jussi	Vemosim Ltd
ID 341	Title Analyses of Pricing Policies in a Second-Best Solution Context
Author	Affiliation
Roberta Ciccarelli	University of Napoli "Federico II"
Luca D Acierno	University of Napoli "Federico II"
Mariano Gallo	University of Sannio
Bruno Montella	University of Napoli "Federico II"

ID 356	Title Analysis of the Effective Toll Pattern in Cordon-Based Congestion Pricing Scheme with Stochastic User Equilibrium Constraints
Author	Affiliation
Qiang Meng	National University of Singapore

ID 383	Title Simulation and Evaluation of Loading-Based Toll Station Design and Operational Strategies
Author	Affiliation
Wen Hang	Southeast University at Nanjing
Xuhong Li	Southeast University at Nanjing
Jie He	Southeast University at Nanjing

ID 552	Title Management Information System for Modern Tollway Facilities. Is This An Option Or a Necessity?
Author	Affiliation
Bill Halkias	Attikes Diadromes S.A.
Dimitrios Mandalozis	Attikes Diadromes S.A.
Haralambos Malimoglou	Invision Consulting S.A.
Panos D. Prevedouros	University of Hawaii at Manoa

ID 555	Title Research of Freeway Pricing Model Based on Degradable Link Capacity
Author	Affiliation
Changzhi Bian	Tsinghua University
Huapu Lu	Tsinghua University

ID 807	Title Existence of Anonymous Link Tolls for Oligopolistic Games and the Efficiency Analysis
Author	Affiliation
Deren Han	Nanjing Normal University
Xiao-Ming Yan	Beijing Jiaotong University

Session TPLAN-3	Thu, May 29, 9:00-11:00	Chair: Venky Shankar
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ID 174	Title Study on the Indexes System for Urban Ecological Traffic Planning
Author	Affiliation
Wei Deng	Southeast University at Nanjing

ID 207 **Title** Bringing European Small Town Traffic Calming to Rural Iowa (Usa)

Author**Affiliation**

Shauna Hallmark

Iowa State University

Neal Hawkins

Iowa State University

Eric Fitzsimmons

Iowa State University

Dave Plazak

Iowa State University

Tom Welch

Iowa Department of Transportation

ID 216 **Title** Application of Planning Optimization Technology on T-Ten Priority Projects

Author**Affiliation**

Joao Pereira Fernandes

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Bill Lazaris

Quantm Pty. Ltd

ID 461 **Title** Potential Demand and Preliminary Design of Door to Door Dial a Ride Systems

Author**Affiliation**

Pietro Zito

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Giuseppe Salvo

University of Palermo

ID 485 **Title** Optimal Contraflow Crossover Location During Evacuation

Author**Affiliation**

Vinayak V. Dixit

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Essam A. Radwan

University of Central Florida

ID 493 **Title** Inventory in the Framework of the Pan-European Transport Corridors: the Case of Corridor X

Author**Affiliation**

Marios Miltiadou

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Christos Taxiltaris

Aristotle University of Thessaloniki

George Mintsis

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Socrates Basbas

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ID 510 **Title** Interoperability of Infrastructure on the Trans-European Rail Networks (Ten)

Author

Affiliation

Jan-Christian Arms

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Martin Schroeder

European Railway Agency (ERA)

ID 838 **Title** Pedestrians Effect on Traffic Responsive Plan Selection Control

Author

Affiliation

Sherif Abdelaziz

Virginia Polytechnic Institute and State University

Montasir Abbas

Virginia Polytechnic Institute and State University

Session **TPLAN-4** **Thu, May 29, 11:30-13:30** Chair: Chris Hendrickson

ID 134 **Title** Study of the Traffic Demand Regression Model with Random Parameters

Author

Affiliation

Shijiang Wu

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Qixin Shi

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Huapu Lu

Tsinghua University

ID 298 **Title** on the Conditional Piecewise Functions That Model Consistently Mathematical Programming Problems in Transportation

Author

Affiliation

Yannis Pavlis

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Will Recker

University of California at Irvine

ID 300 **Title** Travel Time Estimation for Signalized Urban Road Network

Author

Affiliation

Zhaocheng He

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Jianming Zhao

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ID 508 **Title** Evaluation of Performances of Econometric, Time-Series and Fuzzy Models for the forecast of Transport Demand

Author

Affiliation

Vassilios A. Profillidis

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Basil K. Papadopoulos

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ID 527 **Title** Bicriteria Routing and Scheduling in Time Varying Networks for Hazardous Materials Distribution

Author**Affiliation**

Konstantinos N. Androutsopoulos

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Konstantinos G. Zografos

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ID 565 **Title** Modelling of the Travel Time in Urban Environment for the Calculation of External Costs of Congestion

Author**Affiliation**

Jiri Dufek

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Ivo Dostal

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ID 644 **Title** Adaptive Route Choice Models

Author**Affiliation**

Song Gao

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Emma Frejinger

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Moshe Ben-Akiva

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ID 783 **Title** Solving Heterogeneous Vehicle Routing and Scheduling Problems Via Adaptive Memory Programming

Author**Affiliation**

Panagiotis P. Repoussis

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Christos D. Tarantilis

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George Ioannou

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Session **TPLAN-5** **Thu, May 29, 14:30-16:30** Chair: Christos Taxiltaris

ID 452 **Title** The Effects of Travelers' Acceptance (Satisfaction) of Tdm Strategies on Travel Behavior

Author**Affiliation**

Rong-Chang Jou

National Chi Nan International University

Yung-Lin Chen

National Chi Nan International University

Chih-Cheng Chen

Minghsin University of Science and Technology

ID 566	Title The Automated Coordination of Congestion Management Across Jurisdictional Boundaries
Author	Affiliation
Alan Miles	TRL Limited
ID 569	Title Investigating the Relationship Between Trip Generation and Public Transport Accessibility Using Gis and Spatial Statistics: An Application in Brazil
Author	Affiliation
Erika Cristine Kneib	University of Brasilia
Paulo Cesar Marques Da Silva	University of Brasilia
ID 594	Title The Application of the Stochastic User Equilibrium and Late Arrival Penalty to Transport Networks
Author	Affiliation
Fayyaz Qadir	University of Leeds
David Watling	University of Leeds
ID 650	Title Feeder Transit Services: Choosing Between Fixed Or Demand Responsive Policy
Author	Affiliation
Xiugang Li	Texas A&M University
Luca Quadrifoglio	Texas A&M University
ID 873	Title Analysis of System and User Travel-Time Reliability in Urban Areas
Author	Affiliation
Manoj K. Jha	Morgan State University
Franklin O. Okonkwo	Morgan State University
ID 877	Title Modeling Conditional Priority and Information Based Holding Strategies
Author	Affiliation
Giuseppe Bellei	University of Rome "La Sapienza"
Konstantinos Gkoumas	University of Rome "La Sapienza"
ID 879	Title Aggregate Car Ownership Modeling Via Time Series Regression and Artificial Neural Networks
Author	Affiliation

Session TPLAN-6 **Thu, May 29, 16:45-18:45** Chair: Apostolos Papagiannakis

ID 1343 **Title** Recurrent and non-Recurrent Congestion on Facilities with Continuous Surveillance

Author**Affiliation**

Zoi Christoforou

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Simon Cohen

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ID 266 **Title** Blending of Planning and Operations with An Integrated Transportation System

Author**Affiliation**

Steve Taylor

PTOE; Jacobs Carter Burgess, Inc

Wang Zhang

Maricopa Association of Governments

ID 354 **Title** Strategies of Multimode Transport Transfer System for Shanghai Expo 2010

Author**Affiliation**

Ya Wen

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Yan Kefei

Tongji University

Wusheng Liu

Tongji University

ID 448 **Title** Measuring the Effects of Land Use and Public Transport Systems on Urban Travel Demand: the Paris and Thessaloniki Case Studies

Author**Affiliation**

Apostolos Papayannakis

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ID 471 **Title** Identification of the Best Locations for Pedestrian Crossings in Urban Road Networks

Author**Affiliation**

Sangjin Han

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Soonmi Oh

The Korea Transport Institute

ID 513 **Title** The Problems of Transport in Historical Parts of Cities

Author**Affiliation**

Zdenek Riha

Czech Technical University in Prague

ID 624 **Title** Apm As a Backbone Network in Small Urban Areas

Author**Affiliation**

Marek Malina

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Richard Latislav

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ID 648 **Title** Analysis and Application of Intra-Household Interaction Rules for An Activity-Based Microsimulation of Travel Demand

Author**Affiliation**

Sadayuki Yagi

Pacific Consultants International

Abolfazl Mohammadian

University of Illinois at Chicago

Session **TPLAN-7** **Fri, May 30, 9:00-11:00** Chair: Mitsuro Saito

ID 1127 **Title** Simulation Based Comparison of Freeway Alternative Tolling Policy Schemes

Author**Affiliation**

Panagiotis Papaioannou

Aristotle University of Thessaloniki

Ioannis Politis

Aristotle University of Thessaloniki

Socrates Basbas

Aristotle University of Thessaloniki

ID 733 **Title** Mode Preferences for Trunk Routes in Japan: Identifying Heterogeneous Demand and Market Segments

Author**Affiliation**

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Teramisu Hirata

Institute for Transport Policy Studies of Tokyo

Atsushi Niikura

Institute for Transport Policy Studies of Tokyo

Michelle Parumog

Institute for Transport Policy Studies of Tokyo

ID 747 **Title** Demand Analysis of Special Transportation Services for the Elderly in Taiwan

Author**Affiliation**

Wan-Hui Chen

Chung-Hua University

Yuan-Ching Hsu

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Kui-Chuan Kao

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ID 791 **Title** Simultaneous Dynamic Origin-Destination Calibration Incorporating with in-Day Transitions

Author

Affiliation

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ID 818 **Title** An Iterative Route Construction and Improvement Algorithm for the Vehicle Routing Problem with Soft and Hard Time Windows

Author

Affiliation

Miguel Andres Figliozzi

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ID 827 **Title** A Petri Net Simulation Approach in Risk Analysis

Author

Affiliation

Angela Di Febbraro

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Nicola Sacco

University of Genoa

ID 833 **Title** Using a Gravity Distribution Model and Discrete Event Simulation to Enhance Freight Planning

Author

Affiliation

Gregory Harris

University of Alabama in Huntsville

Michael Anderson

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Heather R. Shar

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ID 863 **Title** Dynamic Optimal Toll Design Problem with Second-Best-Flow-Dependent Tolling Solved Using Neural Networks

Author

Affiliation

Katerina Stankova

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Hans-Jorg Von Mettenheim

Gottfried Wilhelm Leibniz University at Hannover

Geert Jan Olsder

Delft University of Technology

Session **TPLAN-8** **Fri, May 30, 11:30-13:30** Chair: Manoj Jha

ID 144 **Title** A Web-Based Framework of Transportation Project

Author

Affiliation

Jui-Sheng Chou

National Chung Cheng University

Wai Kiong Chong

University of Kansas

ID 148	Title Theorizing on Travel Behavior Using Social Psychology and Lifestyle Theory
Author	Affiliation
Veronique Van Acker	Ghent University
Frank Witlox	Ghent University
ID 570	Title A Dynamic Packet-Based Multi-Agent Approach for Large Scale Multimodal Network Simulation
Author	Affiliation
Tai-Yu Ma	Institut National de Recherche sur les Transports et leur Sécurité
Jean-Patrick Lebacque	Institut National de Recherche sur les Transports et leur Sécurité
ID 646	Title Design of a Deployable Paratransit System for Rural Areas
Author	Affiliation
Christine Mastrogiannidou	University of Thessaly
Athanasios Lois	University of Thessaly
Athanasios Ziliaskopoulos	University of Thessaly
ID 656	Title A Simulation Model for Estimating Origin-Destination (O-D) Trip Matrices Using Location Data from Cellular Phones
Author	Affiliation
Darcin Akin	Gebze Institute of Technology
Bogachan Akalin	Istanbul Technical University
ID 678	Title The Role of Technology in Flexible Demand Responsive Transport
Author	Affiliation
Elodie Castex	Université d'Avignon et des Pays de Vaucluse
Robert Clavel	French Ministry of Transport
Didier Josselin	Université d'Avignon et des Pays de Vaucluse
ID 681	Title Development of An Information System Supporting Transport Planning
Author	Affiliation
Riccardo Rossi	University of Padova
Armando Caprini	University of Padova

Riccardo Maratini University of Padova

Romeo Vescovi University of Padova

Massimiliano Gastaldi University of Padova

ID 684 **Title** Commercial Vehicle Parking in California: Evaluation of the Problem and Technology-Based Solutions

Author

Affiliation

Caroline Rodier University of California, Berkeley

Susan Shaheen University of California, Berkeley

Session TPLAN-9 **Fri, May 30, 16:45-18:45** Chair: Konstantina Gkritza

ID 177 **Title** An Asymmetric Multimodal Network Equilibrium Model Considering Turn Delays at Intersections

Author

Affiliation

Gang Ren Southeast University at Nanjing

Wei Wang Southeast University at Nanjing

ID 278 **Title** An Advanced Modelling Approach for Land Use Transport Interaction

Author

Affiliation

Ganesan Umadevi Anna University

ID 331 **Title** Transformable Units Based Discrete Network Design Problem Modelling

Author

Affiliation

Lijun Sun Tongji University

Shao Minhua Tongji University

ID 348 **Title** Two Phase Backtracking Threshold Accepting Method to the Heterogeneous Vehicle Routing Problem with Backhauls and Time Windows

Author

Affiliation

Yuh-Jen Cho Chung-Hua University

You-Jing Chu Chung-Hua University

ID 403 **Title** Dynamic Routing to Minimize Travel Time and Incident Risks

Author

Affiliation

Jian Hu Northwestern University

ID 673 **Title** Level of Outputs, Information for Rules formation and Stochastic Error Effect on Fuzzy Logic Choice Probability: a Comparison of Fuzzy Logic and Sp Models

Author**Affiliation**

Kaushali Dave

University of Leeds

Haibo Chen

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Jeremy Toner

University of Leeds

ID 676 **Title** Travel Time Reliability Indices for Highway Users and Administrators Under Uncertain Environment

Author**Affiliation**

Hiroshi Wakabayashi

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ID 696 **Title** Modeling Activity Scheduling Conflict Resolution Strategies

Author**Affiliation**

Joshua A. Auld

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Abolfazl Mohammadian

University of Illinois at Chicago

Sean T. Doherty

Wilfrid Laurier University

Peter C. Nelson

University of Illinois at Chicago

Session **TRAF-1** **Wed, May 28, 11:30-13:30** **Chair:** John Golias

ID 230 **Title** A Driving Simulation Scenario for Developing a Bus Car-Following Model

Author**Affiliation**

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Chung-Hua University

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ID 308 **Title** Evaluating Route Diversion As a Strategy for Reduction of Real-Time Crash Risk on Freeways Using Microscopic Simulation

Author**Affiliation**

Vikash Gayah

University of California, Berkeley

Mohamed Abdel-Aty

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Anurag Pande

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ID 320	Title Development of Macroscopic Performance Measures from Traffic Simulation
Author	Affiliation
Kenneth G. Courage	University of Florida at Gainesville
ID 438	Title Simulation Modeling of Heterogeneous Traffic at An Urban Signalized Intersection
Author	Affiliation
Padmakumar Radhakrishnan	Indian Institute of Technology (IIT) Bombay
Tom V. Mathew	Indian Institute of Technology (IIT) Bombay
ID 641	Title Simulation of Urban Underpasses for Traffic Congestion Relief
Author	Affiliation
Panos D. Prevedouros	University of Hawaii at Manoa
James K. Tokishi	University of Hawaii at Manoa
Karen Chongue	University of Hawaii at Manoa
ID 645	Title Simulation Method Integrates Urban Local Network Traffic Flow with Od Estimation
Author	Affiliation
Tiandong Xu	Tongji University
Lijun Sun	Tongji University
Yuchuan Du	Tongji University
ID 742	Title Visual Simulation Analysis for the Bus Driving on Freeways By Utilizing the Facelab System
Author	Affiliation
Chien-Yen Chang	Chung-Hua University
Chih-Hao Wei	Chung-Hua University
ID 745	Title An Evaluation of Scoot and Scats Through Microsimulation
Author	Affiliation
Cameron Kergaye	Utah Department of Transportation
Aleksandar Stevanovic	University of Utah
Peter T. Martin	University of Utah

ID 1215 **Title** Memory Properties and Fractional Integration in Transportation Time-Series

Author

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ID 193 **Title** Field Evaluation of Alternative Real-Time Methods for Estimating Approach Delay at Signalized Intersections

Author

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ID 421 **Title** Congestion Features Based Integrated Traffic Control Strategy on Urban Freeway

Author

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ID 522 **Title** Event and Queue Response in Urban Motorway. Implementation and Evaluation

Author

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ID 775 **Title** Real-Time Signal Timing with Consideration of Signal Progression and Left Turn Treatment

Author

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ID	812	Title	Improvement of Traffic Responsive Plan Selection Efficiency Using Neural Networks and Constraint Relaxations
Author		Affiliation	
Sherif Abdelaziz		Virginia Polytechnic Institute and State University	
Montasir Abbas		Virginia Polytechnic Institute and State University	

ID	817	Title	Ramp Metering and Queue Length Estimation: An Algebraic Approach
Author		Affiliation	
Hassane Abouaissa		University of Artois	

ID	829	Title	A Rolling-Horizon Quadratic-Programming Approach to the Signal Control Problem in Large-Scale Congested Urban Road Networks
Author		Affiliation	
Konstantinos Aboudolas		Technical University of Crete	
Markos Papageorgiou		Technical University of Crete	
Anastassios Kouvelas		Technical University of Crete	
Elias Kosmatopoulos		Technical University of Crete	

Session	TRAF-3	Wed, May 28, 16:30-18:30	Chair:	Pravin Varaiya
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ID	143	Title	Experiment of Car Navigation System Using Statistical and Realtime Data in Beijing
Author		Affiliation	
Bo Liu		Hitachi (China) Research & Development Corporation	
Wenjia Wang		Hitachi (China) Research & Development Corporation	
Hiroki Mizuta		Information & Telecommunication System Group, Hitachi (Ch	

ID	330	Title	Arrangement Method of Volume Detectors Over Urban Streets Network
Author		Affiliation	
Geng Yuanjing		Tongji University	
Shao Minhua		Tongji University	
Lijun Sun		Tongji University	
Yang Hong		Tongji University	

ID 381	Title Traffic State Estimation Using Taxi Gps Data
Author	Affiliation
Xiao-Guang Yang	Tongji University
Mei Tong	Tongji University
Zhi-Zhou Wu	Tongji University
Wen-Jie Long	PS Consultant
ID 454	Title Optimization of Queueing Models with in Adaptive Signal Control Via C2I-Communication Data
Author	Affiliation
Christian Priemer	University of Hannover
Bernhard Friedrich	Technical University of Brunswick
ID 534	Title Traffic forecasting By Using Gps/Gnss Technology
Author	Affiliation
Konstantinos Lakakis	Aristotle University of Thessaloniki
Paraskevas Savvaidis	Aristotle University of Thessaloniki
Apostolos Sfetkos	Aristotle University of Thessaloniki
ID 568	Title Bp Hellas - I-Fleet Manager
Author	Affiliation
Kostas Theofanides	Hellenic Association of Dangerous Goods Safety Advisors
Haris Pelagiadis	Dangerous Goods Safety Advisors
George Lykas	BP Transportation
Dimitrios Dertouzos	BP Transportation
ID 700	Title Level Crossing Modeling for Technological Equipment Performances Evaluation
Author	Affiliation
Alessandro Baldassarra	University of Rome "La Sapienza"
Stefano Impastato	University of Rome "La Sapienza"
Stefano Ricci	University of Rome "La Sapienza"

ID 738 **Title** Time Headway Distribution of Probe Vehicles

Author

Affiliation

Rattaphol Pueboobpaphan

Burapha University

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Laurence R. Rilett

University of Nebraska, Lincoln

Youngchan Kim

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Session **TRAF-4**

Thu, May 29, 9:00-11:00

Chair: Robert L. Bertini

ID 1002 **Title** Parameter Estimation for the Ngsim Over-Saturated Freeway Flow Algorithm

Author

Affiliation

Hwasoo Yeo

University of California, Berkeley

Alex Skabardonis

University of California, Berkeley

ID 277 **Title** Modelling Traffic in Detail with Mesoscopic Models

Author

Affiliation

Alberto Brignone

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Tor Vorraa

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ID 288 **Title** Calibrating Developed World Models for Developing Countries Such As South Africa

Author

Affiliation

Marianne Van Der Schuren

University of Cape Town

ID 422 **Title** Optimization of Corridor Traffic Flow Using Dynamic Bayesian Decision Networks

Author

Affiliation

Jennifer Armstrong

Carleton University

Ata M. Khan

Carleton University

ID 653 **Title** Modelling Through Traffic Prohibition

Author

Affiliation

Markus Friedrich

Universität Stuttgart

Eileen Mandir

Universität Stuttgart

ID 672 **Title** A Direct Bridge Between Dynamic Traffic Assignment and Graph Theory

Author**Affiliation**

Georgios Kalafatas

Purdue University

Srinivas Peeta

Purdue University

ID 768 **Title** Using Traffic Simulation Software to Evaluate the Impacts of Railroad Crossings on Vehicular Traffic

Author**Affiliation**

Srinivas S. Pulugurtha

University of North Carolina at Charlotte

ID 778 **Title** Modeling Vehicle Interactions During Lane Changes Under Congested Conditions on Arterial Streets

Author**Affiliation**

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Alexandra Kondyli

University of Florida at Gainesville

Lily Elefteriadou

University of Florida at Gainesville

Session **TRAF-5**

Thu, May 29, 11:30-13:30**Chair:** Magda Pitsiava

ID 170 **Title** Probabilistic Analysis of Hcm Models: Case Study of Signalized Intersections

Author**Affiliation**

Xiaojin (Jerry) Ji

Wilbur Smith Associates

Panos D. Prevedouros

University of Hawaii at Manoa

ID 324 **Title** Warrants for Protected Left-Turn Phasing

Author**Affiliation**

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Honglong Li

Parsons Brinkerhoff

ID 351 **Title** Conflict Analysis for Prediction of Potential Collision Spots at Signalized Intersections

Author**Affiliation**

Jutaek Oh

The Korea Transport Institute

Eungcheol Kim	University of Incheon
Myungseob Kim	The Korea Transport Institute
Joon-Young Min	Sangji Youngseo College

ID 431 **Title** Combined Signal Control and Boundedly Rational System Optimal Traffic Assignment Model

Author

Affiliation

Lu Shoufeng	Changsha University of Science and Technology
Liu Ximin	Changsha University of Science and Technology
Dai Shiqiang	Shanghai University

ID 499 **Title** Advanced Traffic Signal Control Using Intelligent Vehicle Infrastructure

Author

Affiliation

Richard Wunderlich	University of Tennessee Knoxville
Itamar Elhanany	University of Tennessee Knoxville
Thomas Urbanik	University of Tennessee
Cuibi Liu	University of Tennessee Knoxville

ID 623 **Title** Evaluating the Efficacy of Right Turn Pockets at Signalized Intersections Under Heterogeneous Traffic Conditions

Author

Affiliation

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R. Sivanandan	Indian Institute of Technology (IIT) Madras

ID 665 **Title** Innovative Traffic Signal System for the Intersections of Under-Crossing Freeways in the Southern California Area

Author

Affiliation

Uksun Kim	California State University
Mounger A. Najjar	Disneyland
David Cheng	California State University

ID 811 **Title** Robust Optimization of Traffic Signal Plan Transition

Author

Affiliation

Jisun Lee	North Carolina State University
Billy M. Williams	North Carolina State University

ID 273 **Title** Capacity Estimation for Opposed Left-Turn Lanes Using the Ann Model - An Empirical Case Study in Taiwan

Author

Affiliation

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Ministry of Transportation and Communications of Taiwan

Pin-Yi Tseng

Central Police University of Taiwan

ID 295 **Title** Modeling Capacity at Multilane-Large-Diameter Roundabouts. An Exploratory Analysis

Author

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Anna Granà

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Tullio Giuffrè

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Roberta Marino

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ID 313 **Title** Toll Plaza Merging Traffic Control for Throughput

Author

Affiliation

Anastasia D. Spiliopoulou

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Ioannis Papamichail

Technical University of Crete

Markos Papageorgiou

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ID 554 **Title** Deployment Paradigms for Behavior-Consistent Real-Time Traffic Routing Under Information Provision

Author

Affiliation

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ID 593 **Title** Deceleration at Intersections on Two-Lane Rural Highways

Author

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ID 798 **Title** Experimental Investigation of Urban-Scale Macroscopic Fundamental Diagrams

Author

Affiliation

Nikolas Geroliminis

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ID 871 **Title** Stochasticity of Freeway Operational Capacity and Chance-Constrained Ramp Metering

Author

Affiliation

Henry X. Liu

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Xinkai Wu

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Panos Michalopoulos

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ID 891 **Title** How Can Etc Data Improve Traffic Conditions Assesment? online and offline Applications

Author

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Session **TRAF-7**

Thu, May 29, 16:45-18:45

Chair: Dimitrios Mandalozis

ID 154 **Title** A Free-Flow Speed Model for Real-Time Traffic Data Analysis in Shanghai Expressway

Author

Affiliation

Bai Xu

Tongji University

Lijun Sun

Tongji University

Zhou Fan-Yu

Ohio State University

Yu-Chuan Du

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ID 157 **Title** Dynamic Use of a Hard Shoulder on An Urban Motorway. Impact on the Level of Service

Author

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ID 249 **Title** Speed Distribution Prediction Based on Kinetic Theory of Vehicular Traffic

Author

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Lu Shoufeng

Changsha University of Science and Technology

Liu Ximin

Changsha University of Science and Technology

Dai Shiqiang

Shanghai University

ID 539	Title Determination of Network Origin-Destination Demands Using Partial Link Traffic Count Information
Author	Affiliation
Shou-Ren Hu	National Cheng Kung University
Chung-Yung Wang	National Defense University, Taipei City
ID 559	Title Map-Matching Procedures at Urban Grade Intersections
Author	Affiliation
Konstantinos Lakakis	Aristotle University of Thessaloniki
Paraskevas Savvaidis	Aristotle University of Thessaloniki
ID 657	Title Evaluation of Shaker Model for Implementation on the Florida Turnpike Enterprise (Fte), a Pilot Study.
Author	Affiliation
Rami Harb	University of Central Florida
Essam A. Radwan	University of Central Florida
Shankar Ramasamy	University of Central Florida
Chris Russo	University of Central Florida
Marguerite Zarrillo	University of Massachusetts at Dartmouth
ID 789	Title Crash Data Collection, Processing and Implementation to Collision-Inclusive Traffic Flow Modeling
Author	Affiliation
Wuping Xin	University of Minnesota
John Hourdos	University of Minnesota
Panos Michalopoulos	University of Minnesota
ID 809	Title Lagrangian Modelling of Intersections for the Gsom Generic Macroscopic Traffic Flow Model
Author	Affiliation
Megan M. Khoshyaran	ETC Economics traffic Clinic
Jean-Patrick Lebacque	Institut National de Recherche sur les Transports et leur Sécurité

Session TRAF-8 **Fri, May 30, 14:30-16:30** **Chair:** Stelios Efstathiadis

ID 153	Title Capacity at Unsignalized Urban Intersections Affected By Signalized Intersections
Author	Affiliation
Wei Deng	Southeast University at Nanjing
Haiyuan Li	Southeast University at Nanjing
Qiaojun Xiang	Southeast University at Nanjing
ID 159	Title Parallelization Efficiency of a Multi-Class Traffic Assignment Model
Author	Affiliation
Hiroaki Inokuchi	Kansai University
ID 361	Title Study on Measure Obtaining Effective Traffic Conflict Data
Author	Affiliation
Xing Ge	Southeast University at Nanjing
Qiaojun Xiang	Southeast University at Nanjing
Jian Lu	Southeast University at Nanjing
ID 477	Title Indexing Intersection Delays with Numerical Methods
Author	Affiliation
Halim Ceylan	Pamukkale University
Soner Haldenbilen	Pamukkale University
Huseyin Ceylan	Pamukkale University
Ozgur Baskan	Pamukkale University
ID 556	Title Parallel Algorithm Design in Traffic Assignment
Author	Affiliation
Qin Xuyan	Tsinghua University
Huapu Lu	Tsinghua University
Ma Hong	Tsinghua University
ID 595	Title A Simple Model for Predicting Delay at Actuated Signalized Intersections
Author	Affiliation

Abhishek Bhargava	Purdue University
Panagiotis Ch. Anastasopoulos	Purdue University
Samuel Labi	Purdue University
Kumares C. Sinha	Purdue University
Fred L. Mannering	Purdue University

ID 637 **Title** Using Archived Data to Systematically Identify and Prioritize Freeway Bottlenecks

Author	Affiliation
Robert L. Bertini	Portland State University
Huan Li	Portland State University
Jerzy Wiecek	Portland State University
Rafael J. Fernandez-Moctezuma	Portland State University

ID 781 **Title** Dynamic Congestion Pricing for Multi-Class, Multi-Modes and Multi-Criteria Transportation Systems

Author	Affiliation
Wei Deng	Southeast University at Nanjing
Shaopeng Zhong	Southeast University at Nanjing

Session TRAF-9 **Fri, May 30, 16:45-18:45** Chair: Eleni Vlahogianni

ID 129 **Title** Microscopic Incident-Induced Lane Traffic Behavior Modeling for Arterial Incident Cases

Author	Affiliation
Jiuh-Biing Sheu	National Chiao Tung University
Yi-Hwa Chou	
Chiun-Hwa Chang	

ID 139 **Title** Pre-Emptive Vehicle Relocations for a Carsharing System

Author	Affiliation
Ruey L Cheu	University of Texas at El Paso
Alvina G. H. Kek	ExxonMobil Asia Pacific Pte Ltd
Qiang Meng	National University of Singapore

ID 176 **Title** Estimation of Saturation Flow Under Local Conditions of Pakistan

Author

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Abdul Sami Qureshi

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G.B.Khaskheli

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ID 321 **Title** Locating the Decision Zone on a High-Speed Signalized Intersection Approach

Author

Affiliation

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Grant G. Schultz

Brigham Young University

Dennis L. Eggett

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ID 395 **Title** Strategy of Istanbul Municipality in Coping with Traffic Problem

Author

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ID 514 **Title** Study on Curbside Parking Characteristics of Passenger Terminals

Author

Affiliation

Ya Wen

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Yan Kefei

Tongji University

Wusheng Liu

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Jian Xu

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ID 528 **Title** Intelligent Speed Adaptation: from Trial Support to Public Support

Author

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