

Markos Papageorgiou

SCIENTIFIC TALKS, EXTERNAL TEACHING AND ATTENDANCE AT SCIENTIFIC MEETINGS

**) denotes participation without presentation*

- /1/ Adaptive Systeme mit rekursiver Parameterschaetzung (Adaptive systems with recursive parameter estimation). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universitaet München, **Munich, W.Germany**, July 6, 1976.
- /2/ Tageszeitabhaengige Steuerung des Verkehrsablaufes auf Schnellstraßen (Time-of-day control of freeway traffic flow). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universitaet München, **Munich, W.Germany**, January 31, 1978.
- /3/ Regelungstechnisches Kolloquium, **Boppard, W.Germany**, February 21 - 22, 1979.*)
- /4/ Parameter identification for a traffic flow model. 5th IFAC Symposium on Identification and System Parameter Estimation, **Darmstadt, W.Germany**, September 24 - 28, 1979.
- /5/ Einsatz regelungstechnischer Hilfsmittel zur Verbesserung des Verkehrsablaufes auf Schnellstraßen (Use of technical control equipment for the improvement of traffic operations on highspeed highways). Arbeitsausschuß 1.8 "Theoretische Grundlagen des Straßenverkehrs" des Bundesministers für Verkehr, **Bochum, W.Germany**, January 31 - February 1, 1980.
- /6/ Optimal control of freeway traffic by decomposition methods. IEE Intern. Conference on Control and its Applications, **Warwick, G.Britain**, March 23 - 25, 1981.
- /7/ Mehrschichtenregelung des Verkehrsablaufes auf Schnellstraßen (Multilayer control of freeway traffic flow). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universitaet München, **Munich, W.Germany**, December 7, 1981.
- /8/ Mehrschichtenregelung des Verkehrsablaufes auf Schnellstraßen (Multilayer control of freeway traffic flow). VDI/VDE Aussprachetag "Verfahren der Steuerung und Regelung von dynamischen Systemen mit komplexer Struktur", **Bonn, W.Germany**, February 15 - 16, 1982.
- /9/ Macroscopic freeway traffic modeling and control (**invited talk**). Istituto per le Applicazioni della Matematica e dell' Informatica, Università degli studi, **Milan, Italy**, June 4, 1982.
- /10/ Optimal freeway traffic control by decomposition methods (**invited talk**). Istituto per le Applicazioni della Matematica e dell' Informatica, Università degli studi, **Milan, Italy**, June 11, 1982.
- /11/ Management and control of combined sewer systems. Dipartimento di Elettronica, Politecnico di Milano, **Milan, Italy**, October 15, 1982.
- /12/ Regelung des Verkehrsflusses auf Schnellstraßen (Control of traffic flow on freeways) (**invited talk**). Haus der Technik Tagung "Theorie des Verkehrsflusses auf Straßen und deren Anwendung", **Essen, W.Germany**, November 11 - 12, 1982.
- /13/ Ein hierarchisches Steuerungskonzept für Abflußvorgänge in Kanalnetzen (A hierarchical control concept for sewer networks flow). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universitaet München, **Munich, W.Germany**, November 16, 1982.
- /14/ Multilayer control system design applied to freeway traffic regulation (**invited talk**). Department of Systems Engineering, Case Western Reserve University, **Cleveland, Ohio**, December 2, 1982.
- /15/ Multilayer control of freeway traffic. 21st IEEE Conference on Decision and Control, **Orlando, Florida**, December 8 - 10, 1982.
- /16/ Steuerung der Abflußvorgaenge in Kanalnetzen (Control of flow in sewer networks). Dorsch Consult Ingenieures. mbH, **Munich, W.Germany**, February 21, 1983.

- /17/ Abwassertechnisches Seminar. Lehrstuhl und Prüfamnt für Wassergütewirtschaft und Gesundheitsingenieurwesen, Technische Universität München, **Munich, W.Germany**, March 3 - 4, 1983.*)
- /18/ Optimal control of large-scale combined sewer systems. 3rd IFAC/IFORS Symposium on Large Scale Systems Theory and Applications, **Warsaw, Poland**, July 11 - 15, 1983.
- /19/ Optimal control of generalized flow networks. 11th IFIP Conference on System Modeling and Optimization, **Copenhagen, Denmark**, July 25 - 29, 1983.
- /20/ Multilayer control of sewer networks. 9th IFAC World Congress, **Budapest, Hungary**, July 2 - 6, 1984.
- /21/ Optimal freeway traffic control (**invited talk**). Advanced course on Optimization for Traffic Engineering and Control, Progetto Finalizzato Trasporti, **Capri, Italy**, October 18 - 25, 1984.
- /22/ Steuerung im Abwassernetz (Control in sewer networks). 27. Erfahrungsaustausch der in der ATV-Landesgruppe Bayern zusammenschlossenen Ingenieurbüros, **Ingolstadt, W.Germany**, March 7, 1985.
- /23/ Hierarchical control strategy for combined sewer networks. 4th IAWPRC Workshop on Instrumentation and Control of Water and Wastewater Treatment and Transport Systems, **Houston, Texas, and Denver, Colorado**, April 27 - May 4, 1985.
- /24/ Practical aspects of freeway traffic modeling, Estimation of freeway traffic flow, Automatic control of freeway traffic, Discussion in view of the Paris peripheral freeway control problem. Series of seminars, Institut de Recherche des Transports, **Arcueil, France**, May- June, 1985.
- /25/ Freeway traffic modeling and control (**invited talk**). Laboratoire des Signaux et Systèmes, Ecole Supérieure d'Electricité, **Gif sur Yvette, France**, May 28, 1985.
- /26/ Freeway traffic modeling and control (**invited talk**). Groupe de Physique des Solides, Ecole Normale Supérieure, **Paris, France**, June 25, 1985.
- /27/ Optimal real-time control of combined sewer networks. IFAC Conference on Systems Analysis Applied to Water and Related Land Resources, **Lisbon, Portugal**, October 2 - 4, 1985.
- /28/ An algorithm based on the discrete-time maximum principle and some applications (**invited talk**). The Institute of Mathematical Statistics and Operations Research, The Technical University of Denmark, **Lyngby, Denmark**, October 21, 1985.
- /29/ Fortschrittsseminar Steuerungs- und Regelungstechnik, Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, **Munich, W.Germany**, October 25, 1985.*)
- /30/ Optimale Echtzeit-Steuerung der Abfluvorgänge in Kanalnetzen (Optimal real-time control of combined sewer networks). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, **Munich, W.Germany**, January 21, 1986.
- /31/ Berichtskolloquium der DFG "Messen, Steuern, Regeln von dynamischen Systemen mit komplexer Struktur", Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, **Munich, W.Germany**, March 10 - 11, 1986.*)
- /32/ Mathematical models for traffic control (**invited talk**). Symposium Sistemas de Control de Trafico, **Barcelona, Spain**, May 13 - 15, 1986.
- /33/ DFG-Symposium "Steuerung in der Wassermengen- und Wassergütewirtschaft" (Control of quality in water systems). Institut für Strömungsmechanik u. elektron. Rechnen im Bauwesen, Universität Hannover, **Hannover, W.Germany**, June 11 - 12, 1986.*)
- /34/ Lokale und regionale Steuerungskonzepte für den Betrieb großer Regenbecken (**invited talk**) (Local and global control concepts for the operation of large-scale detention reservoirs). Technical Discussion on "Sewer network overflow control", Gesellschaft zur Förderung des Lehrstuhls für Wassergütewirtschaft und Gesundheitsingenieurwesen, Technische Universität München, **Munich, W.Germany**, March 6, 1987.
- /35/ Modélisation et contrôle du trafic routier (Modeling and control of urban traffic) (**invited talk**). Centre d'Enseignement et de Recherche pour la Gestion des Ressources Naturelles et de l'Environnement (CERGRENE), Ecole Nationale des Ponts et Chaussées, **Paris, France**, May 12, 1987.

- /36/ Practical aspects of optimal real-time control of combined sewer networks. 7th EWPCA-Symposium on Sewage and Refuse, **Munich, W.Germany**, May 19 - 22, 1987.
- /37/ Deterministische Optimierung im Regelkreis (Deterministic optimization in a feedback structure) (**invited talk**). Fakultät für Elektrotechnik und Informationstechnik, Technische Universität München, **Munich, W.Germany**, June 2, 1987.
- /38/ Water flow control of a natural stream: a case study. 10th IFAC World Congress, **Munich, W.Germany**, July 27 - 31, 1987.
- /39/ Modélisation macroscopique de l'écoulement du trafic sur autoroute périurbaine. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, October 28, 1987.
- /40/ Structures et méthodes de contrôle optimal avec exemples d'application au trafic autoroutier. Séminaires Mathématiques Appliquées, Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, December 16, 1987.
- /41/ Modélisation (META) et contrôle (METALINE) du trafic sur le Boulevard Périphérique Sud. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, June 30, 1988.
- /42/ Aspekte des Steuerungs - und Regelungssystems für ASDEX UPGRADE, Seminar of the Institut für Plasmaphysik der Max-Planck Gesellschaft, **Schloß Rindberg, W.Germany**, October 3 - 5, 1988.*)
- /43/ Modélisation et contrôle du Boulevard Périphérique de Paris. Second Congrès Technique de l'ATEC, **Paris, France**, November 15 - 17, 1988.
- /44/ Modeling and real-time control of motorway networks (**invited talk**). Italy-USA Joint Seminar on Urban Traffic Networks: Dynamic Control and Flow equilibrium, **Naples and Capri, Italy**, June 23 - 26, 1989.
- /45/ Modélisation dynamique, guidage et affectation dans des réseaux routiers. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, July 24, 1989.
- /46/ Modelling and real-time control of traffic flow on the Boulevard Périphérique in Paris. IFAC/ IFIP/ IFORS Intern. Symp. on Control, Computers, Communications in Transportation, **Paris, France**, September 19 - 21, 1989.
- /47/ Kanalnetzsteuerung (Sewer Network Control) (**invited talk**). 29. Darmstaedter Wasserbauliches Kolloquium 1989, Technische Hochschule Darmstadt, **Darmstadt, W. Germany**, November 23 - 24, 1989.
- /48/ Le Contrôle Automatique au service de l'exploitation (**invited talk**). Journée Spécialisée "Outils et Méthodes pour l'Exploitation des Autoroutes", Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, December 1, 1989.
- /49/ Dynamische Modellierung, Umlegung und Wegweisung in Verkehrsnetzen (Dynamic Modelling, Assignment and Route Guidance in Traffic Networks). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, **Munich, W. Germany**, December 5, 1989.
- /50/ Dynamische Modellierung, Umlegung und Wegweisung in Verkehrsnetzen (Dynamic Modelling, Assignment and Route Guidance in Traffic Networks) (**invited talk**). Universität der Bundeswehr München, **Munich, W. Germany**, February 15, 1990.
- /51/ Modern Control Systems for Urban Traffic (**invited talk**) (in greek). Athens '96: Scientific Conference on Tomorrow's Technology, **Athens, Greece**, March 9 - 11, 1990.
- /52/ Optimale Steuerung der Fließvorgänge in netzartigen Prozessen (Optimal flow control in networked processes) (**invited talk**). Technische Universität Hamburg-Harburg, **Hamburg, W. Germany**, March 19, 1990.
- /53/ Journée Spécialisée "Prévision du Trafic Interurbain", Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, March 29, 1990.*)
- /54/ METANET: A macroscopic simulation package for motorway networks. 8th DRIVE Concertation Meeting, Workshop on Simulation, **Paris, France**, April 2 - 3, 1990.

- /55/ Regelungstechnische Konzepte zur Wechselwegweisung in Autobahnnetzen Automatic Control Concepts for Route Guidance in Motorway Networks). LSR Kolloquium 1990, Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, **Munich, W. Germany**, April 27, 1990.
- /56/ Modélisation dynamique, affectation et guidage dans des réseaux routiers (**invited talk**). Facultés Universitaires Notre Dame de la Paix, Département de Mathématique, **Namur, Belgium**, July 5, 1990.
- /57/ Workshop on Traffic Problems in ATM Communication Systems. Siemens- Zentrallaboratorium, **Munich, W. Germany**, July 20, 1990.*)
- /58/ Optimal control of traffic flow on periurban ringways with application to the Boulevard Périphérique in Paris. 11th IFAC World Congress, **Tallinn, USSR**, August 13 - 17, 1990.
- /59/ DRIVE: Overview, Organisation, and Expected Results (**invited talk**). Minnesota Department of Transportation, **St. Paul, Minnesota**, October 4, 1990.
- /60/ Modeling and control of freeway traffic (**invited talk**). Department of Civil and Mineral Engineering, University of Minnesota, **Minneapolis, Minnesota**, October 5, 1990.
- /61/ Optimal control of multidestination traffic networks. 29th IEEE Conference on Decision and Control, **Honolulu, Hawaii**, December 5 - 7, 1990.
- /62/ ALINEA: A local feedback control law for on-ramp metering. 70th Annual Meeting of the Transportation Research Board (TRB), **Washington D.C., U.S.A.**, January 13 - 17, 1991.
- /63/ Dynamic network traffic assignment and route guidance via feedback regulation. 70th Annual Meeting of the Transportation Research Board (TRB), **Washington D.C., U.S.A.**, January 13 - 17, 1991.
- /64/ Motorway networks modelling and control. DRIVE Conference, **Brussels, Belgium**, February 4 - 6, 1991.
- /65/ Validation results of traffic flow modelling on linear motorways. DRIVE Conference, **Brussels, Belgium**, February 4 - 6, 1991.
- /66/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Christian-Albrechts-Universität Kiel, **Kiel, Germany**, March 18, 1991.
- /67/ METANET : A macroscopic simulation package for motorway networks. 13th DRIVE Concertation Meeting, Workshop on Motorway Traffic Simulation, **Brussels, Belgium**, April 24 - 25, 1991.
- /68/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Universität Kaiserslautern, **Kaiserslautern, Germany**, April 29, 1991.
- /69/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Universität Bielefeld, Technische Fakultät, **Bielefeld, Germany**, May 3, 1991.
- /70/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Technische Universität Hamburg-Harburg, **Hamburg, Germany**, June 26, 1991.
- /71/ Traffic Modelling (**invited talk**). 7th EURO Summer Institute on Urban Traffic Management, **Cetraro, Italy**, June 21 - July 7, 1991.
- /72/ A stochastic control framework for moving vehicles in changing environments. IFAC Symposium on Robot Control, **Vienna, Austria**, September 16 - 18, 1991.
- /73/ Traffic Modelling and Control (**invited talk**). Giornate di Studio sui Trasporti, Università degli studi di Reggio Calabria, **Reggio Calabria, Italy**, October 10 - 11, 1991.
- /74/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Ruhr-Universität Bochum, **Bochum, Germany**, October 14, 1991.

- /75/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Technische Universitaet Braunschweig, **Braunschweig, Germany**, October 17, 1991.
- /76/ Journée Spécialisée "Systèmes de Détection d'Incidents sur Autoroute", INRETS, **Arcueil, France**, December 5, 1991.*)
- /77/ Integrated optimal routing and congestion control in packet-switched networks. IFAC/IFORS/IMACS Symposium on Large Scale Systems Theory and Applications, **Beijing, P. R. China**, August 23 - 25, 1992.
- /78/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Institut für Automatisierungstechnik, Technische Universitaet Dresden, **Dresden, Germany**, August 29, 1992.
- /79/ Modern traffic control systems for urban areas (**invited talk**). Annual Conference of Associazione Italiana di Ricerca Operativa AIRO 92, **Acireale (Sicilia), Italy**, September 23 - 26, 1992.
- /80/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Fakultät für Informatik und Automatisierung, Technische Universität Ilmenau, **Ilmenau, Germany**, September 29, 1992.
- /81/ Motorway network control via Nonlinear Optimization. 1st Meeting of the EURO Working Group on Urban Traffic and Transportation, **Landshut, Germany**, October 1-3, 1992.
- /82/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Fakultät für Maschinenwesen, Elektrotechnik und Produktionstechnik, Technische Universität Cottbus, **Cottbus, Germany**, October 20, 1992.
- /83/ Modellierung und Steuerung des Verkehrsablaufs auf Schnellstraßen (Modelling and control of traffic flow on motorways) (**invited talk**). Short Course DR 6.14 of the Carl-Cranz-Gesellschaft e.V. "Verkehrsleittechnik", **Oberpfaffenhofen, Germany**, November 30 - December 2, 1992.
- /84/ Evaluation prospective des techniques d'Intelligence Artificielle et d'Automatique pour la gestion du trafic. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, December 4, 1992.
- /85/ Stochastic optimal control of moving vehicles in dynamic environment (in greek) (**invited talk**). Department of Production Engineering and Management, Technical University of Crete, **Chania (Crete), Greece**, December 10, 1992.
- /86/ Modern traffic control systems for urban areas (in greek). Technological Educational Institute of Athens, **Athens, Greece**, December 11, 1992.
- /87/ Automatic control methods applied to motorway network traffic (**invited talk**). Department of Electrical Engineering, Eindhoven University of Technology, **Eindhoven, The Netherlands**, January 12, 1993.
- /88/ Field assessment of ramp metering impact on urban corridor traffic. Advanced Transport Telematics - Technical Days, **Brussels, Belgium**, March 8 - 10, 1993.
- /89/ Motorway traffic modelling and control (**invited talk**). Simposium sobre Ingeniería de los Transportes, **Sevilla, Spain**, March 24 - 26, 1993.
- /90/ IVHS Mini-Symposium. IEEE Boston Section, **Waltham, Massachusetts**, April 3, 1993.*)
- /91/ Automatic control methods applied to freeway network traffic (**invited talk**). Centre de Recherche sur les Transports, Université de Montréal, **Montréal, Canada**, April 8, 1993.
- /92/ A neural network approach to freeway network traffic control (**invited talk**). Electrical Engineering Seminar, University of Massachusetts Lowell, **Lowell, Massachusetts**, April 13, 1993.
- /93/ Short course "Traffic Flow Modeling and Control and Intelligent Vehicle and Highway Systems (IVHS)" (together with Prof. Petros Ioannou). Southern California Center for Advanced Transportation Technologies, University of Southern California, **Los Angeles, California**, June 1 - 4, 1993.

- /94/ Optimal routing in packet-switched wide area networks (**invited talk**). Center for Control Engineering and Computation, University of California, **Santa Barbara, California**, June 7, 1993.
- /95/ A neural network approach to freeway network traffic control (**invited talk**). Institute of Transportation Studies, University of California, **Irvine, California**, June 9, 1993.
- /96/ Optimal routing in packet-switched wide area networks (**invited talk**). Communication Sciences Institute, University of Southern California, **Los Angeles, California**, June 10, 1993.
- /97/ Modeling and control of traffic flow: an introduction (**invited talk**). 3M, Hardgoods and Electronics Support Division Laboratory, **St. Paul, Minnesota**, June 21, 1993.
- /98/ Automatic control methods applied to freeway network traffic (**invited talk**). Center for Transportation Studies, University of Minnesota, **Minneapolis, Minnesota**, June 25, 1993.
- /99/ Real-time optimal control of moving vehicles in changing environments. 12th IFAC World Congress, **Sydney, Australia**, July 18 - 23, 1993.
- /100/ Automatic control methods applied to freeway network traffic. 12th IFAC World Congress, **Sydney, Australia**, July 18 - 23, 1993.
- /101/ Short course "Traffic Flow Modeling and Control". Department of Electrical Engineering and Computer Sciences, University of California, **Berkeley, California**, August 18 - 20, 1993.
- /102/ Optimal routing in packet-switched wide area networks (**invited talk**). School of Engineering, Santa Clara University, **Santa Clara, California**, August 24, 1993.
- /103/ Automatic control methods applied to freeway network traffic (**invited talk**). University of Michigan, **Ann Arbor, Michigan**, September 16, 1993.
- /104/ Modellierung und Steuerung des Verkehrsablaufs auf Schnellstraßen (Modelling and control of traffic flow on motorways) (**invited talk**). Short Course DR 6.14 of the Carl-Cranz-Gesellschaft e.V. "Verkehrstechnik", **Oberpfaffenhofen, Germany**, November 29 - December 1, 1993.
- /105/ Affectation dynamique: Problèmes et méthodes. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, December 16, 1993.
- /106/ Highway traffic modelling (**invited talk**). Incontro di studio su Supervisione e Controllo del Traffico Autostradale, Università di Genova, **Genova, Italy**, April 21 - 22, 1994.
- /107/ High Performance Computing for Transportation networks (**invited talk**). European Information Technology Conference, **Brussels, Belgium**, June 6-8, 1994.
- /108/ 2nd IEEE Mediterranean Symposium on New Directions in Control & Automation, **Chania, Greece**, June 19-22, 1994*).
- /109/ METACOR: A macroscopic modelling tool for urban corridors (**invited participation**). TRISTAN II (Triennial Symposium on Transportation Analysis), **Capri, Italy**, June 23-28, 1994.
- /110/ Ramp metering impact on urban corridor traffic. 7th IFAC/IFORS Symposium on Transportation Systems, **Tianjin, China**, August 24-26, 1994.
- /111/ A neural network approach to freeway network traffic control. 7th IFAC/IFORS Symposium on Transportation Systems, **Tianjin, China**, August 24-26, 1994.
- /112/ A neural network approach to freeway network traffic control (**invited presentation**). Department of Automation, Shanghai Jiaotong University, **Shanghai, China**, 29 August 1994.
- /113/ Optimal freeway network control via route recommendation. IEEE Vehicle Navigation & Information Systems Conference, **Yokohama, Japan**, August 31-September 2, 1994.
- /114/ Control strategies for Variable Message Signs. First World Congress on Applications of Transport Telematics & Intelligent Vehicle-Highway Systems, **Paris, France**, November 30 - December 3, 1994.

- /115/ Pannel Discussion (**invited contribution**). Telematics and Transport Meeting, Hellenic Institute of Transportation Engineers, **Athens, Greece**, January 30, 1995.
- /116/ Modèles macroscopiques de l'écoulement du trafic: équations, validation, discussion. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, June 15, 1995.
- /117/ A control theoretic approach to routing and congestion control in packet-switched wide-area networks. 7th IFAC/IFORS/IMACS Symposium on Large Scale Systems, **London, UK**, July 11-13, 1995.
- /118/ The study of natural intelligence in control engineering education. IFAC Workshop on Control Education and Technology Transfer Issues (CETTI'95), **Curitiba, Brazil**, September 11-12, 1995.
- /119/ A low cost tool for freeway ramp metering. 4th IFAC Symposium on Low Cost Automation, **Buenos Aires, Argentina**, September 13-15, 1995.
- /120/ A Linear Programming approach to large-scale linear optimal control problems. 34th IEEE Conference on Decision and Control, **New Orleans, Louisiana**, December 13-15, 1995.
- /121/ Mehrschichtensteuerung der Abflúßvorgänge in Abwassernetzen. Abwasserverband Obere Iller, **Sonthofen, Germany**, February 9, 1996.
- /122/ Zentrale Optimierung der Abflúßvorgänge in Abwassernetzen. Abwasserverband Obere Iller, **Sonthofen, Germany**, February 9, 1996.
- /123/ Automatic VMS control concepts. Hague Consulting Group, **The Hague, The Netherlands**, April 5, 1996.
- /124/ Modelling and control of traffic flow (in greek). Technical University of Crete, **Chania, Greece**, May 29, 1996.
- /125/ Technologie avanzate per i trasporti (**invited talk**). II° Giornate Mediterranee '96, Università degli Studi di Reggio Calabria, **Reggio di Calabria, Italy**, June 28-30, 1996.
- /126/ Dynamic traffic assignment (**invited talk**). Californian PATH, Univ. of California, **Berkeley, California**, August 26, 1996.
- /127/ Ramp metering algorithms and implementations (**invited talk**). Californian PATH, Univ. of California, **Berkeley, California**, August 26, 1996.
- /128/ Traffic flow simulation (**invited talk**). Californian PATH, Univ. of California, **Berkeley, California**, August 30, 1996.
- /129/ Ramp Metering: Integration Issues. 3rd Concertation Meeting of Transport Telematics, European Commission, **Brussels, Belgium**, September 30-October 1, 1996.
- /130/ A LQ-Regulator with feedforward terms applied to sewer network flow control. 4th Intern. Conference on Control, Automation, Robotics and Vision (ICARCV'96), **Singapore**, December 3-6, 1996.
- /131/ ALINEA local ramp metering: summary of field results. 76th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C., U.S.A.**, January 12-16, 1997.
- /132/ Automatic Control methods in Traffic Management I, II, III (**invited lectures**). NATO Advanced Study Institute Seminar on Operations Research and Decision Aid Methodologies in Traffic and Transportation Management, **Balatonfüred, Hungary**, March 10-22, 1997.
- /133/ Αυτόματος Έλεγχος και Βελτιστοποίηση σαν Εργαλεία Ευφυών Αποφάσεων (Automatic Control and Optimisation as tools for intelligent decision making). Ημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 10, 1997.
- /134/ Ανάπτυξη και υλοποίηση συστήματος πληροφόρησης και οδικής καθοδήγησης στο αστικό δίκτυο του Ααλμποργκ Δανίας (Development and implementation of a route information and guidance system in the urban network of Aalborg, Denmark). Ημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 10, 1997.

- /135/ Ανάπτυξη και υλοποίηση συστήματος πληροφόρησης και οδικής καθοδήγησης στο εθνικό δίκτυο Σκωτίας (Development and implementation of a route information and guidance system in the Scottish highway network). Ημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 10, 1997.
- /136/ Ανασκόπηση πρακτικών εφαρμογών της τοπικής στρατηγικής ελέγχου εισόδου αυτοκινητοδρόμων ALINEA (Overview of implementations of the local ramp metering strategy ALINEA). Ημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 10, 1997.
- /137/ Έλεγχος ροών σε μεικτά αποχετευτικά δίκτυα (Flow control in combined sewer networks). Ημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 10, 1997.
- /138/ Fuel minimisation for ship weather routeing. 8th IFAC/IFIP/IFORS Symposium on Transportation Systems, **Chania, Greece**, June 16-18, 1997.
- /139/ Automatic control of VMS in the interurban Scottish highway network. 8th IFAC/IFIP/IFORS Symposium on Transportation Systems, **Chania, Greece**, June 16-18, 1997.
- /140/ Motorway-to-motorway control: Results of a simulation study. 8th IFAC/IFIP/IFORS Symposium on Transportation Systems, **Chania, Greece**, June 16-18, 1997.
- /141/ Optimal control: Basic theory, numerical methods and selected applications (**invited lectures**). Summer Course of the European Students Association BEST on “Automation in Production Systems”, **Chania, Greece**, June 30-July 12, 1997.
- /142/ Optimal control as a source of intelligent behaviour. IEEE Intern. Symposium on Intelligent Control, **Istanbul, Turkey**, July 16-18, 1997.
- /143/ Modeling for dynamic traffic control II: Freeway (**invited lecture**). MIT Summer Professional Program 1.10s on “Modeling and Simulation for Dynamic Transportation Management Systems”, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, August 18-22, 1997.
- /144/ Real-time information and guidance systems in traffic networks: Two European implementations (**invited talk**). Center for Transport Studies, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, September 12, 1997.
- /145/ Automatic control approaches to route guidance in traffic networks (**invited talk**). Centre de Recherches sur les Transports, Université de Montréal, **Montréal, Canada**, September 19, 1997.
- /146/ Automatic control of traffic systems: Freeway ramp metering and route guidance (**invited tutorial**). The Advanced Institute for Transportation Infrastructure Engineering and Management, The University of Texas, **Austin, Texas**, November 24, 1997.
- /147/ Information and guidance systems in traffic networks: Two European implementations (**invited talk**). The Advanced Institute for Transportation Infrastructure Engineering and Management, The University of Texas, **Austin, Texas**, November 25, 1997.
- /148/ Ramp metering: Overview of methods and some field results (**invited talk**). Department of Electrical Engineering and Computer Sciences, University of California at Berkeley, **Berkeley, California**, December 4, 1997.
- /149/ Traffic signal control: Overview of methods (**invited talk**). Department of Electrical Engineering and Computer Sciences, University of California at Berkeley, **Berkeley, California**, December 5, 1997.
- /150/ Automatic control approaches to route guidance in traffic networks (**invited talk**). Electrical Engineering Department, University of California, **Los Angeles, California**, January 14, 1998.
- /151/ Automatic control approaches to route guidance in traffic networks (**invited talk**). Department of Electrical Engineering, University of Southern California, **Los Angeles, California**, January 15, 1998.
- /152/ Real-time information and guidance systems in traffic networks: Two European implementations (**invited talk**). Institute of Transportation Studies, University of California, **Irvine, California**, January 16, 1998.

- /153/ Store-and-forward based approaches to traffic signal control (**invited talk**). Department of Electrical Engineering and Computer Sciences, University of California at Berkeley, **Berkeley, California**, January 26, 1998.
- /154/ Automatic control approaches to route guidance in traffic networks (**invited talk**). Department of Electrical Engineering and Computer Sciences, University of California at Berkeley, **Berkeley, California**, January 28, 1998.
- /155/ Real-time information and guidance systems in traffic networks: Two European implementations (**invited talk**). Institute of Transportation Studies, University of California at Berkeley, **Berkeley, California**, January 30, 1998.
- /156/ Short-term traffic forecasting using the macroscopic simulation tool METANET. DACCORD Short-Term Traffic-Forecasting Workshop, Technical University of Delft, **Delft, The Netherlands**, February 13, 1998.
- /157/ 2nd Open TABASCO Conference (**invited participation**), **Glasgow, U.K.**, 23-24 February 1998. *)
- /158/ Stratégies coordonnées de contrôle d'accès sur un axe autoroutier (**invited talk**). SIER (Service Interdépartemental d'Exploitation Routière), **Paris, France**, 6 March 1998.
- /159/ QUARTET PLUS Final Conference (**invited participation**), **Toulouse, France**, 9 March 1998. *)
- /160/ Investigation of some decentralized feedback strategies for route guidance in traffic networks. TRISTAN III (Triennial Symposium on Transportation Analysis), **San Juan, Puerto Rico**, June 17-23, 1998.
- /161/ Nonlinear optimal flow control for sewer networks. 1998 American Control Conference, **Philadelphia, Pennsylvania**, June 24-26, 1998.
- /162/ Τηλεματική Μεταφορών (Transport Telematics). Πανελλήνια Συνδιάσκεψη Μεταφορών ΕΒ Επιμελητηρίου (Transportation Workshop of the Greek Chamber of Commerce and Industry), **Chania, Greece**, 11 July 1998.
- /163/ Modelling of the large scale motorway network around Amsterdam. 8th IFAC/IFORS/IMACS/IFIP Symposium on Large Scale Systems Theory & Applications, **Patras, Greece**, July 12-15, 1998.
- /164/ Dynamic traffic control I: Basic concepts of feedback and optimal control; Dynamic traffic control II: Freeway Applications (**invited lectures**). MIT Summer Professional Program 1.10s on "Modeling and Simulation for Dynamic Transportation Management Systems", Massachusetts Institute of Technology, **Cambridge, Massachusetts**, August 3-7, 1998.
- /165/ Applying integrated corridor control in Glasgow. 7th Transport Telematics Concertation Meeting, European Commission, **Brussels, Belgium**, September 15-16, 1998.
- /166/ Ramp metering: A valuable tool for efficient traffic management (**invited presentation**). 13th Annual POLIS-Conference, **Berlin, Germany**, November 18-20, 1998.
- /167/ The IN-TUC integrated corridor control strategy and its application in Glasgow (**invited talk**). SIEMENS Traffic Control Unit, **Munich, Germany**, 20 November 1998.
- /168/ CHANIASYN: Real-time urban traffic control development and implementation in the city of Chania (**invited talk**). SIEMENS Traffic Control Unit, **Munich, Germany**, 20 November 1998.
- /169/ AMOC: A generic tool for integrated control of motorway traffic networks. DACCORD Workshop on Advanced Motorway Traffic Control, **Lancaster, United Kingdom**, 11 December 1998.
- /170/ Integrated traffic-responsive urban control strategy IN-TUC: Application and evaluation in Glasgow. DACCORD Workshop on Advanced Motorway Traffic Control, **Lancaster, United Kingdom**, 11 December 1998.
- /171/ Tecnologie avanzate nel traffico marittimo (**invited talk**). III^e Giornate Mediteranee, Università degli Studi di Reggio Calabria, **Reggio Calabria, Italy**, 16-17 April 1999.
- /172/ Percorsi formativi per l'ingegneria dei trasporti (**invited participation**). L'Evoluzione dell' Ingegneria dei Trasporti: Contenuti, Sinergie, Mercato. Università degli Studi di Napoli "Federico II", **Napoli, Italy**, 20 April 1999.
- /173/ Macroscopic network traffic flow modelling and control (**invited talk**). TRAIL (The Netherlands Research School for Transport, Infrastructure and Logistics), Technical University of Delft, **Delft, The Netherlands**, 20 September 1999.

- /174/ Traffic-responsive urban network control using multivariable regulators. Intern. Conference on Modeling and Management in Transportation, **Poznan & Krakow, Poland**, 12-16 October 1999.
- /175/ Στρατηγικές ελέγχου αστικής κυκλοφορίας: Κριτική επισκόπηση και σύγχρονες τάσεις (Control strategies for urban traffic: Critical overview and modern trends). Ημερίδα "Σύγχρονες Μέθοδοι Ελέγχου Κυκλοφορίας" (Workshop on "Modern Traffic Control Methods"), National Technical University of Athens, **Athens, Greece**, 19 January 2000.
- /176/ TUC: Une stratégie adaptative de regulation à l'échelle des réseaux urbains (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, 21 January 2000.
- /177/ Εξελικτικές στρατηγικές παιγνίων δύο προσώπων (Evolutionary strategies for two-person games). Δημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 19-20, 2000.
- /178/ Αναδραστικές στρατηγικές οδικής καθοδήγησης σε πυκνά δίκτυα (Feedback route guidance strategies for dense networks). Δημερίδα Εργαστηρίου Δυναμικών Συστημάτων και Προσομοίωσης Πολυτεχνείου Κρήτης (Research Workshop of the Dynamic Systems and Simulation Laboratory of the Technical University of Crete), **Chania, Greece**, April 19-20, 2000.
- /179/ Traffic management and control: Past, present, and future (**invited presentation**). Workshop on Research and Technological Development for Information Society Technologies Applied to Transport and Tourism, European Commission, **Brussels, Belgium**, May 23-24, 2000.
- /180/ A multivariable regulator approach to traffic-responsive network-wide signal control. 9th IFAC Symposium on Control in Transportation Systems, **Braunschweig, Germany**, June 13-15, 2000.
- /181/ Nonlinear optimal control applied to coordinated ramp metering. 11th IFAC Workshop on Control Applications of Optimization, **Saint-Petersburg, Russia**, July 3-6, 2000.
- /182/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Operations Research Seminar Series, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, 28 September 2000.
- /183/ Freeway ramp metering: An overview (**invited plenary talk**). 3rd IEEE Intern. Conference on Intelligent Transportation Systems, **Dearborn, Michigan**, October 1-3, 2000.
- /184/ Simulation investigations of the traffic-responsive urban control strategy TUC. 3rd IEEE Intern. Conference on Intelligent Transportation Systems, **Dearborn, Michigan**, October 1-3, 2000.
- /185/ Panel Discussion on Traffic Flow Management and Control (**invited participation**). 3rd IEEE Intern. Conference on Intelligent Transportation Systems, **Dearborn, Michigan**, October 1-3, 2000.
- /186/ The METANET and METACOR traffic simulators (**invited talk**). Workshop on Dynamic Traffic Models, Intelligent Transportation Systems Centre, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, 12 October 2000.
- /187/ TUC: A coordinated traffic-responsive urban network control strategy (**invited talk**). Department of Civil and Environmental Engineering, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, 30 October 2000.
- /188/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Centre de Recherches sur les Transports, Université de Montréal, **Montréal, Canada**, 17 November 2000.
- /189/ Freeway ramp metering: An overview (**invited talk**). Institute for Transportation Systems, The City College of New York, **New York**, 20 November 2000.
- /190/ TUC: A coordinated traffic-responsive urban network control strategy (**invited talk**). Institute of Transportation Engineers, Metropolitan Section of New York & New Jersey, **New York**, 21 November 2000.
- /191/ Freeway network simulation and dynamic traffic assignment using METANET tools. 80th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2001.
- /192/ Optimal coordinated ramp metering with AMOC. 80th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2001.

- /193/ TUC: A coordinated traffic-responsive urban network control strategy (**invited talk**). Institute of Transportation Studies, University of California at Berkeley, **Berkeley, California**, 19 January 2001.
- /194/ Can ubiquitous ramp metering eliminate freeway congestion? (**invited talk**). Department of Mechanical Engineering, University of California at Berkeley, **Berkeley, California**, 26 January 2001.
- /195/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Systems and Industrial Engineering Seminar, University of Arizona, **Tucson, Arizona**, 29 January 2001.
- /196/ TUC: A coordinated traffic-responsive urban network control strategy (**invited talk**). Department of Systems and Industrial Engineering, University of Arizona, **Tucson, Arizona**, 29 January 2001.
- /197/ Can ubiquitous ramp metering eliminate freeway congestion? (**invited talk**). Advanced Traffic Control Seminar, TRAIL (The Netherlands Research School for Transport, Infrastructure and Logistics), Technical University of Delft, **Delft, The Netherlands**, 23 March 2001.
- /198/ La regulation d'accès generalisée peut-elle éliminer la congestion? (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, 10 May 2001.
- /199/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Center for Transport Studies, Imperial College of Science, Technology, and Medicine, **London, U.K.**, 18 May 2001.
- /200/ Overview of advanced traffic control issues in ITS (**invited plenary presentation**). TRISTAN IV (Triennial Symposium on Transportation Analysis), **São Miguel (Azores Islands), Portugal**, June 13-19, 2001.
- /201/ Can ubiquitous ramp metering eliminate freeway congestion? (**invited plenary presentation**). 2nd National Conference on Information Technology and Spatial Planning (input 2001), **Tremiti Islands, Italy**, June 27-29, 2001.
- /202/ Nonlinear optimal control applied to coordinated ramp metering in the Amsterdam ringroad. 9th IFAC/IFORS/IMACS/IFIP Symposium on Large Scale Systems Theory and Applications, **Bucharest, Romania**, July 18-20, 2001
- /203/ TUC and the SMART NETS project. 4th IEEE Conference on Intelligent Transportation Systems, **Oakland, California**, August 25-29, 2001.
- /204/ Efficiency versus fairness in network-wide ramp metering. 4th IEEE Conference on Intelligent Transportation Systems, **Oakland, California**, August 25-29, 2001.
- /205/ ALINEA local ramp metering: Summary of field results (**invited talk**). Caltrans (California Department of Transportation), **Los Angeles, California**, 30 August 2001.
- /206/ Feedback and iterative routing strategies for freeway networks. 2001 IEEE Intern. Conference on Control Applications, **Mexico City, Mexico**, September 5-7, 2001.
- /207/ Rolling-horizon optimal control of sewer networks. 2001 IEEE Intern. Conference on Control Applications, **Mexico City, Mexico**, September 5-7, 2001.
- /208/ Βελτιστοποίηση της χρήσης αστικών οδικών δικτύων (**προσκεκλημένη διάλεξη**) (Optimal use of urban road networks - **invited talk**). Δημοτική Επιχείρηση Κυκλοφορίας, Δήμος Αμαρουσίου, Συνάντηση για την Ευρωπαϊκή Ημέρα «Στην πόλη χωρίς το αυτοκίνητό μου» (Municipal Corporation for Traffic, Municipality of Amarooussion, Meeting for the European Day "In the city without my car"), **Αμαρούσιο**, 20 September 2001.
- /209/ Dynamic Traffic Flow Modelling and Control (**invited 2-day Short Course**). DHV, **Amersfoort, The Netherlands**, 11-12 October 2001.
- /210/ Βελτιστοποίηση οδικών μεταφορών (**προσκεκλημένη διάλεξη**) (Optimisation of road transportation - **invited talk**). 1^o Forum Ανάπτυξης του Ελληνικού και Ευρωπαϊκού Νότου (1st Development Forum of the Greek and European South), Πολυτεχνείο Κρήτης (Technical University of Crete), **Χανιά**, 9-11 November 2001.
- /211/ TUC: Basic Notions. 1st User Board (TRB) Meeting of the SMART NETS Project, Southampton City Council, **Southampton, U.K.**, 12 November 2001.

- /212/ State-of-the-art and open questions in traffic flow modelling (**invited talk**). Verkehrswissenschaftliches Forum (Traffic Science Forum), SIEMENS International Leadership Center, **Feldafing, Germany**, 22-23 November 2001.
- /213/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Transportation Research Institute, Technion Israel Institute of Technology, **Haifa, Israel**, 11 December 2001.
- /214/ Στρατηγική συντονισμένου ελέγχου αστικής κυκλοφορίας σε πραγματικό χρόνο TUC: Μεθοδολογία και εφαρμογές (Co-ordinated, traffic-responsive urban control strategy TUC: Methodology and applications). 1^o Διεθνές Συνέδριο για την Έρευνα στις Μεταφορές στην Ελλάδα (1st Intern. Congress on Transportation Research in Greece), **Αθήνα**, 21-22 February 2002.
- /215/ Στρατηγική ελέγχου φωτεινής σηματοδότησης TUC: Μεθοδολογία και εφαρμογές (**προσκεκλημένη διάλεξη**) (Traffic signal control strategy TUC: Methodology and applications - **invited talk**). Ημερίδα “Τα τοπικά μέσα μαζικής μεταφοράς ως μέσο εξέλιξης και ανάπτυξης της πόλης. Συγκοινωνία Αμαρουσίου - Πρότυπο στις τοπικές μεταφορές”, Δημοτική Επιχείρηση Κυκλοφορίας Δήμου Αμαρουσίου (Workshop “The local public transportation as a means for city development. Public transport in Amarousion - A pilot in local transport systems”, Municipal Corporation for Traffic), **Αμαρούσιο**, 11 Απριλίου 2002.
- /216/ Can ubiquitous ramp metering eliminate motorway congestion? (**invited talk**). Centre for Transport Studies, Imperial College of Science, Technology, and Medicine, **London, U.K.**, 19 April 2002.
- /217/ A predictive feedback routing control strategy for freeway network traffic. 2002 American Control Conference, **Anchorage, Alaska**, May 8-10, 2002.
- /218/ Overview of motorway network traffic control strategies (**invited presentation**). 13th Mini-EURO Conference on Handling Uncertainty in Transportation Analysis and 9th Meeting of the EURO Working Group on Transportation, **Bari, Italy**, June 10-13, 2002.
- /219/ Attitude to deal with uncertainty in Transportation (**invited participation to a Plenary Discussion**). 13th Mini-EURO Conference on Handling Uncertainty in Transportation Analysis and 9th Meeting of the EURO Working Group on Transportation, **Bari, Italy**, June 10-13, 2002.
- /220/ Applications of the urban traffic control strategy TUC. 13th Mini-EURO Conference on Handling Uncertainty in Transportation Analysis and 9th Meeting of the EURO Working Group on Transportation, **Bari, Italy**, June 10-13, 2002.
- /221/ Netzweite Signalsteuerungsstrategie TUC und Anwendungen (**invited talk**). Institute of Automatic Control Engineering, Technical University of Munich, **Munich, Germany**, 28 June 2002.
- /222/ Performance evaluation of predictive feedback routing for freeway networks. 15th IFAC World Congress, **Barcelona, Spain**, 21-26 July 2002.
- /223/ Recent developments and applications of the urban traffic control strategy TUC (**invited talk**). Ville de Paris, Seminaire INRETS “Modèles de Trafic,” **Paris, France**, 11 September 2002.
- /224/ A series of new isolated ramp metering strategies (**invited talk**). Ville de Paris, Seminaire INRETS “Modèles de Trafic,” **Paris, France**, 11 September 2002.
- /225/ Recent developments and applications of the urban traffic control strategy TUC. 2nd User Board Meeting of the SMART NETS Project, Napier University, **Edinburgh, U.K.**, 8 November 2002.
- /226/ Netzweite Signalsteuerungsstrategie TUC und Anwendungen (**invited talk**). Faculty of Traffic Sciences “Friedrich List”, Dresden University of Technology, **Dresden, Germany**, 2 December 2002.
- /227/ Σύγχρονος έλεγχος φωτεινής σηματοδότησης σε κορεσμένα αστικά δίκτυα (**προσκεκλημένη διάλεξη**) (Modern traffic signal control in saturated urban networks - **invited talk**). Ημερίδα “Τα τροχαία ατυχήματα στην Ελλάδα και μέτρα πρόληψης”, Αρχηγείο Ελληνικής Αστυνομίας (Workshop “Traffic accidents in Greece and prevention measures”, Greek Police Directorate), **Χανιά**, 13 Δεκεμβρίου 2002.
- /228/ Optimal control as a source of intelligent behaviour (**invited presentation**). Workshop on Advances in Innovative Computing Application to Transportation, 82nd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12, 2003.
- /229/ Extensions and new applications of the traffic signal control strategy TUC. 82nd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2003.

- /230/ A series of new local ramp metering strategies. 82nd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2003.
- /231/ A predictive feedback routing control strategy for freeway network traffic. 82nd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2003.
- /232/ **Invited participation** to the 3rd VOYAGER Expert Workgroup Meeting, **Bristol, UK**, 3-4 April, 2003.
- /233/ RENNAISSANCE: A real-time motorway network traffic surveillance tool. Workshop on Traffic Modeling: Trends and Challenges, **Sitges, Spain**, June 2-4, 2003.
- /234/ Background and recent advances of traffic signal control systems (**invited talk**). NTA-Metropolitan Mass Transit system, **Tel Aviv, Israel**, June 18, 2003.
- /235/ Dynamic Traffic Flow Modelling and Control (**invited 5-day Short Course**). Università degli Studi di Napoli "Federico II", **Naples, Italy**, 23-27 June 2003.
- /236/ Motorway traffic state estimation based on Extended Kalman Filter. European Control Conference ECC '03, **Cambridge, UK**, 1-4 September 2003.
- /237/ Linear-quadratic regulators applied to sewer network flow control. European Control Conference ECC '03, **Cambridge, UK**, 1-4 September 2003.
- /238/ Chaos may be an optimal plan. European Control Conference ECC '03, **Cambridge, UK**, 1-4 September 2003.
- /239/ TUC outline and lessons learnt. 3rd User Board Meeting of the SMART NETS Project, GEVAS software, **Munich, Germany**, 19 September 2003.
- /240/ Model-based surveillance of motorway network traffic (**invited talk**). Workshop on Traffic and Granular Flow, **Delft, The Netherlands**, 1-3 October 2003.
- /241/ An introduction to signal traffic control strategy TUC. 18th Annual POLIS Conference, **Cologne, Germany**, 4-5 December 2003.
- /242/ Model-based surveillance of motorway network traffic (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, 18 December 2003.
- /243/ Model-based surveillance of motorway network traffic (**invited talk**). Delft Center for Systems and Control, Delft University of Technology, **Delft, The Netherlands**, 3 February 2004.
- /244/ European IST-Transport research: A brief overview and some achievements (**invited talk**). EuroIndia2004 Conference, **New Delhi, India**, 24-26 March 2004.
- /245/ Road and freeway traffic control strategies (**invited lecture**). Intern. POLLOCO Workshop on Advanced Decision Support Tools for Transportation and Logistics, **Poznan, Poland**, 1-2 April 2004.
- /246/ Overview of road traffic control strategies (**invited distinguished professor tutorial**). 1st IEEE Intern. Conference on Information and Communication Technologies: from Theory to Applications (ICTTA '04), **Damascus, Syria**, 19-23 April 2004.
- /247/ Overview of road traffic control strategies (**invited talk**). ITS Centre, Department of Civil Engineering, University of Toronto, **Toronto, Canada**, 12 May 2004.
- /248/ Recent advances in traffic flow modeling and control (**invited talk**). ITS Centre, Department of Civil Engineering, University of Toronto, **Toronto, Canada**, 12 May 2004.
- /249/ Intelligent transportation systems and traffic management (**invited lecture**). Spring School on Transportation, Centre de Recherches sur les Transports, Université de Montréal, **Montréal, Canada**, 14 May 2004.
- /250/ Hierarchical nonlinear model-predictive ramp metering control for freeway networks. TRISTAN V (Triennial Symposium on Transportation Analysis), **Le Gosier, Gouadeloupe**, June 13-18, 2004.

- /251/ Εφαρμογή της στρατηγικής ελέγχου φωτεινής σηματοδότησης TUC στην πόλη των Χανίων: Αποτελέσματα και συμπεράσματα (Application of the traffic signal control strategy TUC in Chania: Results and conclusions). City Council of Chania, **Chania, Greece**, 14 July 2004.
- /252/ Overview of road and motorway traffic control strategies (**invited plenary presentation**). 2nd Intern. Symposium on Networks for Mobility, **Stuttgart, Germany**, Sept. 29-Oct. 1, 2004.
- /253/ Overview of road traffic control strategies (**invited plenary presentation**). 4th IFAC Workshop on Automatic Systems for Building the Infrastructure in Developing Countries, **Bansko, Bulgaria**, 3-5 October 2004.
- /254/ Field evaluation of the signal control strategy TUC at three urban traffic networks. 4th IFAC Workshop on Automatic Systems for Building the Infrastructure in Developing Countries, **Bansko, Bulgaria**, 3-5 October 2004.
- /255/ EURAMP: The European FP6 project for ramp metering. 1st EURAMP User Group Meeting, **Munich, Germany**, 3 November 2004.
- /256/ Overview of road traffic control strategies (**invited plenary presentation**). XVIII ANPET Congresso de Pesquisa e Ensino em Transportes, **Florianópolis, Brasil**, 8-12 November 2004.
- /257/ Résultats de l' application de la stratégie de contrôle TUC sur trois réseaux européens (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, 2 December 2004.
- /258/ Εφαρμογή της στρατηγικής ελέγχου φωτεινής σηματοδότησης TUC σε Σάουθαμπτον και Μόναχο (Application of the signal control strategy TUC in Southampton and Munich). Ημερίδα “Στρατηγικές Ελέγχου Δικτύων και Φωτεινής Σηματοδότησης” (Workshop on Network and Signal Control Strategies), National Technical University of Athens, **Athens, Greece**, 2 February 2005.
- /259/ Zuflusskontrolle: Welche Effekte sind erzielbar, wie und warum? (Ramp metering: What is achievable, how and why?) (**invited talk**). Ministerium für Verkehr, Energie und Landesplanung des Landes Nordrhein-Westfalen (Ministry of Traffic, Energy and Land Planning of the Land Nordrhein-Westfalen), **Düsseldorf, Germany**, 28 February 2005.
- /260/ Quelques pistes en Automatique pour aborder les Transports (**invited introductory presentation**). Workshop “Automatique & Transports”, FORUM Systèmes & Logiciels pour les NTIC dans le Transport, **Paris, France**, 26 May 2005.
- /261/ The traffic amelioration potential of freeway network ramp metering control (**invited presentation**). Symposium on Systems, Control and Networks in honour of Professor Pravin Varaiya on his 65th birthday, **Berkeley, California**, June 5-7, 2005.
- /262/ A hierarchical ramp metering control scheme for freeway networks. 2005 American Control Conference, **Portland, Oregon**, June 8-10, 2005.
- /263/ Real-time route guidance in large-scale urban express ring-roads. 16th IFAC World Congress, **Prague, Czech Republic**, July 3-8, 2005.
- /264/ The impact of Automatic Control on recent developments in transportations and vehicle systems (**invited presentation**). 16th IFAC World Congress, **Prague, Czech Republic**, July 3-8, 2005.
- /265/ Holt-Winters and neural-network methods for medium-term sales forecasting. 16th IFAC World Congress, **Prague, Czech Republic**, July 3-8, 2005.
- /266/ Optimal control: Basic theory, numerical methods and selected applications. 4th Workshop of the European Research Training Network WWT & SYSENG, **Chania, Greece**, 15-19 August 2005.
- /267/ Overview of road and motorway traffic control strategies (**invited plenary presentation**). 10th Jubilee Meeting of the EURO Working Group on Transportation and 16th Mini-EURO Conference on Artificial Intelligence in Transportation, **Poznan, Poland**, 13-16 September 2005.
- /268/ Real-time freeway network traffic surveillance tool RENAISSANCE (**invited talk**). Centre for Transport Studies, Imperial College of Science, Technology, and Medicine, **London, U.K.**, 16 December 2005.
- /269/ Investigation of the adaptive features of a real-time freeway traffic state estimator. 85th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 22-26, 2006.

- /270/ A unified approach to real-time freeway network traffic surveillance. 85th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 22-26, 2006.
- /271/ Feedback route guidance applied to a large-scale express ring-road. 85th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 22-26, 2006.
- /272/ Comparative field evaluation of the signal control strategy TUC in three traffic networks. 85th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 22-26, 2006.
- /273/ Real-time estimation of the critical occupancy for maximum motorway throughput. 85th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 22-26, 2006.
- /274/ The impact of the number of discrete release rates on ramp metering performance. 85th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 22-26, 2006.
- /275/ Real-time freeway network traffic surveillance tool RENAISSANCE (**invited presentation**). TRAIL (The Netherlands Research School for Transport, Infrastructure and Logistics), Technical University of Delft, **Delft, The Netherlands**, 13 April 2006.
- /276/ Application of the signal control strategy TUC in three traffic networks: Comparative evaluation results (**invited presentation**). IEEE Intern. Conference on Information & Communication Technologies: from Theory to Applications, **Damascus, Syria**, 24-28 April 2006.
- /277/ Review of road and motorway traffic control strategies (**invited keynote plenary presentation**). 3rd Intern. Congress on Traffic and Road Safety, **Ankara, Turkey**, 17-19 May 2006.
- /278/ Προηγμένες στρατηγικές ελέγχου κυκλοφορίας και προοπτικές εφαρμογής τους στην Ελλάδα (Advanced traffic control strategies and application prospects in Greece). 3^o Διεθνές Συνέδριο για την Έρευνα στις Μεταφορές στην Ελλάδα (3rd Intern. Congress on Transportation Research in Greece), **Thessaloniki, Greece**, 19-20 May 2006.
- /279/ Advanced motorway traffic modelling, simulation, surveillance and control strategies (**invited participation**). 1st TRB Intern. Symposium on Freeway and Tollway Operations, **Athens, Greece**, June 4-7, 2006.
- /280/ Μαθηματική μοντελοποίηση της οδικής κυκλοφοριακής ροής (Mathematical modelling of highway traffic flow) (**invited talk**). Ημερίδα “Μαθηματική Μοντελοποίηση στις Φυσικές Επιστήμες και στις Σύγχρονες Τεχνολογίες – Εξελίξεις και Προοπτικές” (Workshop on Mathematical Modelling in Physics and Modern Technology – Developments and Prospects), Τμήμα Μαθηματικών, Πανεπιστήμιο Αιγαίου, **Καρλόβασι Σάμου**, 17 Ιουνίου 2006.
- /281/ Optimal coordinated ramp metering for freeway networks. 21st European Conference on Operational Research (EURO XXI), **Reykjavik, Iceland**, July 2-5, 2006.
- /282/ Hierarchical nonlinear model-predictive ramp metering control for freeway networks. 11th IFAC Symposium on Control in Transportation Systems, **Delft, The Netherlands**, August 29-31, 2006.
- /283/ The role of macroscopic modelling in simulation, surveillance and control of motorway network traffic (**invited plenary presentation**). Intern. Symposium of Transport Simulation, **Lausanne, Switzerland**, 4-6 September 2006.
- /284/ The role of control theory in integrated traffic management (**invited lecture**). Short Course on Integrated Traffic Management in the frame of the IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17, 2006.
- /285/ The role of Automatic Control in Intelligent Transportation Systems (**invited opening keynote plenary presentation**). IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /286/ Real-time route guidance for large-scale express ring-roads. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /287/ A ramp queue length estimation algorithm. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /288/ Local ramp metering in the case of distant downstream bottlenecks. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.

- /289/ RENAISSANCE: A real-time freeway network traffic surveillance tool. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /290/ Ramp metering: What it can and cannot do (**invited talk**). VicRoads – Department of Traffic and Transport Integration, **Melbourne, Australia**, 5 December 2006.
- /291/ Ramp metering: What it can and cannot do (**invited talk**). VicRoads – Department of Infrastructure, **Melbourne, Australia**, 6 December 2006.
- /292/ Ramp metering: What it can and cannot do (**invited talk**). Australian Road Research Board, **Melbourne, Australia**, 7 December 2006.
- /293/ Real-time motorway network traffic surveillance tool RENAISSANCE (**invited talk**). Ethekwini Transport Authority, **Durban, South Africa**, 4 March 2007.
- /294/ Ramp Metering: What it can and cannot do (**invited talk**). Ethekwini Transport Authority, **Durban, South Africa**, 5 March 2007.
- /295/ RENAISSANCE software tool for motorway traffic surveillance (**invited semi-plenary presentation**). 4th ITS South Africa Intern. Conference – Sustainable Public Transport for Soccer World Cup 2010, **Pretoria, South Africa**, 5-8 March 2007.
- /296/ Effects of variable speed limits on motorway traffic (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, 20 March 2007.
- /297/ Ramp Metering: What it can and cannot do (**invited talk**). EURAMP Workshop, **Paris, France**, 22 March 2007.
- /298/ Transumo Congress 2007 “Towards Sustainable Mobility On the Basis of Sustainable Knowledge Development” (**invited participation**), **Almere, The Netherlands**, 7 June 2007. *)
- /299/ Motorway traffic surveillance and control (**invited Mini-Tutorial Lead Presentation**). European Control Conference 2007, **Kos, Greece**, 3-5 July 2007.
- /300/ Introduction to the Panel Discussion on Motorway Traffic Surveillance and Control. European Control Conference 2007, **Kos, Greece**, 3-5 July 2007.
- /301/ Adaptive fine-tuning of non-linear control systems with application to the urban traffic control strategy TUC. European Control Conference 2007, **Kos, Greece**, 3-5 July 2007.
- /302/ Control and optimization methods for traffic signal control in large-scale congested urban road networks. 2007 American Control Conference, **New York, NY**, July 11-13, 2007.
- /303/ I sistemi intelligenti autostradali: stato del’ arte ed il sistema PON-SAM (**invited talk**). Workshop “La Napoli-Pompei-Salerno, Un’ Autostrada Intelligente per una Circolazione Sostenibile”, Autostrade Meridionali, **Napoli, Italia**, 17 July 2007.
- /304/ Real-time merging traffic control with applications to toll plaza and work zone management (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, 25 October 2007.
- /305/ Real-time toll plaza management for throughput maximization. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.
- /306/ Real-time workzone management for throughput maximization. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.
- /307/ Overview of traffic signal operation policies for ramp metering. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.
- /308/ Effects of variable speed limits on motorway traffic flow. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.

- /309/ Real-time freeway network traffic surveillance: Large-scale field testing results in southern Italy. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.
- /310/ Adaptive fine-tuning for large-scale complex nonlinear systems (**invited presentation**). IEEE Intern. Conference on Information & Communication Technologies: from Theory to Applications, **Damascus, Syria**, 7-11 April 2008.
- /311/ Ramp metering highlights and the HERO installation in Melbourne (**invited talk**). VicRoads – Department of Infrastructure, **Melbourne, Australia**, 7 May 2008.
- /312/ Ramp metering highlights and the HERO installation in Melbourne (**invited talk**). Australian Institute of Traffic Planning and Management, **Melbourne, Australia**, 7 May 2008.
- /313/ Toll plaza merging traffic control for throughput maximization. 10th ASCE Intern. Conference on Application of Advanced Technologies in Transportation (AATT 2008), **Athens, Greece**, May 28-30, 2008.
- /314/ A rolling-horizon quadratic-programming approach to the signal control problem in large-scale congested urban road networks. 10th ASCE Intern. Conference on Application of Advanced Technologies in Transportation (AATT 2008), **Athens, Greece**, May 28-30, 2008.
- /315/ A model-predictive QP approach to the signal control problem in large-scale congested urban road networks (**invited talk**). INRIA (Institut National de Recherche en Informatique et en Automatique) Paris – Rocquencourt, **Le Chesnay, France**, 4 June 2008.
- /316/ Adaptive control design based on adaptive optimization principles. 17th IFAC World Congress, **Seoul, Korea**, July 6-11, 2008.
- /317/ An adaptive optimization scheme with satisfactory transient performance. 17th IFAC World Congress, **Seoul, Korea**, July 6-11, 2008.
- /318/ Integrated ramp metering and variable speed limit control of motorway traffic flow. 17th IFAC World Congress, **Seoul, Korea**, July 6-11, 2008.
- /319/ A rolling-horizon quadratic-programming approach to the signal control problem in large-scale congested urban road networks (**invited plenary talk**). XXXV (National) Symposium on Operations Research (SYM-OP-IS 2008), **Soko Banja, Serbia**, 14-17 September 2008.
- /320/ AFT2: An automated maintenance and calibration tool for traffic management and control systems. 11th Intern. IEEE Conference on Intelligent Transportation Systems (IEEE ITSC'08), **Beijing, China**, October 12-15, 2008.
- /321/ Large-scale field testing of a real-time freeway network traffic state estimator in south Italy. 11th Intern. IEEE Conference on Intelligent Transportation Systems (IEEE ITSC'08), **Beijing, China**, October 12-15, 2008.
- /322/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited keynote plenary speech**). 11th Intern. IEEE Conference on Intelligent Transportation Systems (IEEE ITSC'08), **Beijing, China**, October 14, 2008.
- /323/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Department of Traffic Engineering, Beijing Jiaotong University, **Beijing, China**, 16 October 2008.
- /324/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Intelligent Transportation Systems Group, Department of Automation, Tsinghua University, **Beijing, China**, 17 October 2008.
- /325/ Advanced traffic control techniques for freeway systems and urban networks (**invited talk**). Workshop Tecnologia para Gestão de Tráfego. CET (Companhia de Engenharia de Tráfego), Escola Politécnica, University of Sao Paulo, **Sao Paulo, Brazil**, 12 November 2008.
- /326/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Paris, France**, 12 March 2009.
- /327/ Coordinated ramp metering strategy HERO: Field implementation at the Monash Freeway in Melbourne, Australia (**invited talk**). Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Paris, France**, 12 March 2009.

- /328/ Traffic flow control I: Large-scale motorways (**invited tutorial lecture**). Joint ARRIVAL/AEOLUS Workshop & School on Large-Scale Optimization: Robustness, Online and Offline Issues, Computer Technology Institute, **Patras, Greece**, 14 May 2009.
- /329/ Traffic flow control II: Large-scale congested urban road networks (**invited tutorial lecture**). Joint ARRIVAL/AEOLUS Workshop & School on Large-Scale Optimization: Robustness, Online and Offline Issues, Computer Technology Institute, **Patras, Greece**, 14 May 2009.
- /330/ Βέλτιστος έλεγχος κύριας ροής αυτοκινητοδρόμων (Optimal mainstream traffic control on motorways). Seminar of the Department of Production Engineering and Management, Technical University of Crete, **Chania, Greece**, 21 May 2009.
- /331/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited plenary talk**). Intern. Conference on Models and Technologies for Intelligent Transportation Systems, **Rome, Italy**, 22-23 June 2009.
- /332/ Advanced traffic control techniques for freeway and urban networks (**invited talk**). Workshop “Técnicas avançadas, para controle de tráfego”, SEBRAE/Serviço de Apoio as Micro e Pequenas Empresas Santa Catarina), **Florianapolis, Brazil**, 27 August 2009.
- /333/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited plenary talk**). 13th Meeting of the EURO Working Group on Transportation, **Padova, Italy**, 23-25 September 2009.
- /334/ Queue management techniques for metered freeway on-ramps. 13th Meeting of the EURO Working Group on Transportation, **Padova, Italy**, 23-25 September 2009.
- /335/ Modélisation des transports: Aspects internationaux (**invited presentation**). Journée Modélisation des Réseaux de Transport, Université Paris-Est/Ecole des Ponts-ParisTech, **Paris (Marne la Vallée), France**, 22 Octobre 2009.
- /336/ Problèmes ouverts en modélisation des réseaux de transport (**invited presentation**). Journée Modélisation des Réseaux de Transport, Université Paris-Est/Ecole des Ponts-ParisTech, **Paris (Marne la Vallée), France**, 22 Octobre 2009.
- /337/ Optimal mainstream traffic flow control of large-scale motorway networks. 2nd NEARCTIS Workshop, University College London, **London, UK**, 13 November 2009.
- /338/ Adaptive optimization with satisfactory transient performance for large-scale traffic control systems. 2nd NEARCTIS Workshop, University College London, **London, UK**, 13 November 2009.
- /339/ Direkte Steuerung des Hauptverkehrsflusses auf Autobahnen – Eine innovative Anwendung von Wechselverkehrszeichen (**invited presentation**) (Direct control of the mainflow on freeways – An innovative application of variable speed limits). TRANSVER Verkehrstechnik-Seminar 2009, Amt für Ländliche Entwicklung Oberbayern, **Munich, Germany**, 16-17 November 2009.
- /340/ Anwendung der koordinierten Zuflussregelung HERO in Melbourne, Australien (**invited presentation**) (Implementation of the coordinated ramp metering strategy HERO in Melbourne, Australia). TRANSVER Verkehrstechnik-Seminar 2009, Amt für Ländliche Entwicklung Oberbayern, **Munich, Germany**, 16-17 November 2009.
- /341/ HERO Coordinated ramp metering implemented at the Monash Freeway. 89th Annual Meeting of Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2010.
- /342/ A hybrid strategy for real-time traffic signal control of urban road networks, 89th Annual Meeting of Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2010.
- /343/ Queue management techniques for metered freeway on-ramps. 89th Annual Meeting of Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2010.
- /344/ Variable speed limits as a mainline metering device. 89th Annual Meeting of Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2010.
- /345/ Local ramp metering in the presence of random-location bottlenecks downstream of a metered on-ramp. 89th Annual Meeting of Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2010.
- /346/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Civil Engineering Seminar Series, École Polytechnique Fédérale de Lausanne, **Lausanne, Switzerland**, 11 March 2010.

- /347/ Nonlinear optimal control as a source of intelligent traffic control (**invited plenary presentation**). 5th IMA Conference on Mathematics in Transport, **London, U.K.**, 12-14 April 2010.
- /348/ Overview of road traffic control strategies (**invited presentation**). ESF (European Science Foundation) Exploratory Workshop on Foundations of Autonomic Computing for Traffic Management Systems, **Durham, U.K.**, 14-16 April 2010.
- /349/ Achievements in control of transportation systems (**invited participation**). IEEE – CSS Intern. Workshop “The Future of Control in Transportation Systems”, **Benevento & Sorrento, Italy**, May 27-29, 2010.
- /350/ Freeway traffic control (**invited lectures**). NEARCTIS-COST TU0702 Joint Training School 2010 “Real-Time Road Traffic Monitoring and Control”, École Polytechnique Fédérale de Lausanne (EPFL), **Lausanne, Switzerland**, 9-10 June 2010.
- /351/ Traffic Management: State-of-practice, capabilities and needs. 3rd NEARCTIS Workshop, École Polytechnique Fédérale de Lausanne (EPFL), **Lausanne, Switzerland**, 11 June 2010.
- /352/ Local feedback-based mainstream traffic flow control on motorways using variable speed limits. 3rd NEARCTIS Workshop, École Polytechnique Fédérale de Lausanne (EPFL), **Lausanne, Switzerland**, 11 June 2010.
- /353/ Urban ITS applications – Academia view (**invited lecture**). World Bank Transport Knowledge and Learning Program on Intelligent Transportation Systems (ITS), **Belgrade, Serbia**, (**live tele-transmission to Washington D.C., Europe and Central Asia**), 24 June 2010.
- /354/ Recent advances in motorway traffic management (**invited keynote plenary presentation**). 10th COTA Intern. Conference of Chinese Transportation Professionals (ICCTP 2010), **Beijing, China**, August 4-8, 2010.
- /355/ Dynamic Traffic Flow Modelling and Control (**invited 5-day Short Course**). Institute of Automation, Chinese Academy of Sciences, **Beijing, China**, 9-13 August 2010.
- /356/ Local feedback-based mainstream traffic flow control on freeways using variable speed limits. 13th Intern. IEEE Conference on Intelligent Transportation Systems (ITSC 2010), **Madeira Island, Portugal**, 19-22 September 2010.
- /357/ Balancing of queues or waiting times on metered dual-branch on-ramps. 13th Intern. IEEE Conference on Intelligent Transportation Systems (ITSC 2010), **Madeira Island, Portugal**, 19-22 September 2010.
- /358/ Local ramp metering in the presence of random-location bottlenecks downstream of a metered ramp. 13th Intern. IEEE Conference on Intelligent Transportation Systems (ITSC 2010), **Madeira Island, Portugal**, 19-22 September 2010.
- /359/ Keynotes and panel discussion on ITS (**invited participation**). 13th Intern. IEEE Conference on Intelligent Transportation Systems (ITSC 2010), **Madeira Island, Portugal**, 19-22 September 2010.
- /360/ A hybrid strategy for real-time traffic signal control and its implementation at the urban road network of Chania, Greece. 5th Intern. Congress for Transport Research, **Volos, Greece**, 27-28 September 2010.
- /361/ A coordinated ramp metering strategy and its implementation at the Monash Freeway, Australia. 5th Intern. Congress for Transport Research, **Volos, Greece**, 27-28 September 2010.
- /362/ Variable speed limits as a mainline metering device for freeways. 5th Intern. Congress for Transport Research, **Volos, Greece**, 27-28 September 2010.
- /363/ Application of the urban traffic control strategy TUC at the Kifisias – Attiki Odos roundabout. 5th Intern. Congress for Transport Research, **Volos, Greece**, 27-28 September 2010.
- /364/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Faculty of Transport and Traffic Engineering, University of Belgrade, **Belgrade, Serbia**, 11 November 2010.
- /365/ **Invited Moderator**, SafeTRIP Workshop 2010, **Lyon, France**, 25-26 November 2010.
- /366/ Βέλτιστος έλεγχος κύριας ροής σε δίκτυα αυτοκινητοδρόμων μεγάλης κλίμακας (Optimal mainstream traffic flow control of large-scale motorway networks) (**invited talk**). Department of Civil Engineering, University of Thessaly, **Volos, Greece**, 16 December 2010.

- /367/ Ramp metering: What it can and cannot do (**invited talk**). Department of Transport and Main Roads (DTMR), **Brisbane, Queensland, Australia**, 21 March 2011.
- /368/ Motorway/Freeway traffic management (**invited talk**). Australian Institute of Traffic Planning and Management (AITPM), **Brisbane, Queensland, Australia**, 22 March 2011.
- /369/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). TOPL Meeting, University of California, **Berkeley, California**, 3 June 2011.
- /370/ Dynamic Traffic Flow Modeling and Control (**invited 5-day Short Course**). University of California at Berkeley, **Berkeley, California**, June 6-10, 2011.
- /371/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Ming Hsieh Department of Electrical Engineering, University of Southern California, **Los Angeles, California**, 15 June 2011.
- /372/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Institute of Transportation Studies, University of California, **Irvine, California**, 20 June 2011.
- /373/ Traffic control in action (**invited panel participation**). FHWA/ISTTT19 Workshop on Modeling Needs for Active Transportation & Demand Management (ATDM), **Berkeley, California**, July 17, 2011.
- /374/ 19th Intern. Symposium on Transportation and Traffic Theory (ISTTT) (**invited participation**), **Berkeley, California**, July 18-20, 2011.*)
- /375/ Freeway traffic control (**invited plenary talk**). 2011 IEEE Conference on Automation Science and Engineering (IEEE CASE), **Trieste, Italy**, August 24-27, 2011.
- /376/ Ramp metering – An overview and the potential (**invited talk**). Ramp Metering Knowledge Sharing Workshop, NSW Transport Roads & Traffic Authority, **Sydney, Australia**, 19 September 2011.
- /377/ Ramp metering applications (**invited talk**). Ramp Metering Knowledge Sharing Workshop, NSW Transport Roads & Traffic Authority, **Sydney, Australia**, 19 September 2011
- /378/ Freeway traffic control in action (**invited talk**). Australian Intelligent Transport System Summit, **Gold Coast, Australia**, 20-22 September 2011.
- /379/ Ramp metering: What it can and cannot do (**invited talk**). Main Roads Western Australia, **Perth, Australia**, 23 September 2011.
- /380/ HERO coordinated ramp metering strategy (**invited talk**). Main Roads Western Australia, **Perth, Australia**, 23 September 2011.
- /381/ Mainstream and merging traffic control (**invited talk**). Main Roads Western Australia, **Perth, Australia**, 23 September 2011.
- /382/ Freeway traffic control (**invited plenary talk**). 2011 IEEE Multi-Conference on Systems and Control (IEEE MSC), **Denver, Colorado**, September 28-30, 2011.
- /383/ Vehicle automation and traffic management (**invited talk**). Workshop on Automation in Road Transport, European Commission, Information Society and Media, **Brussels, Belgium**, 26 October 2011.
- /384/ Macroscopic traffic flow modeling rendered useful (**invited talk**). Workshop on Mathematics of Traffic Flow Modeling, Estimation and Control, Institute of Pure and Applied Mathematics (IPAM), University of California (UCLA), **Los Angeles, California**, December 7-9, 2011.
- /385/ Congestion control in urban networks via feedback gating. Transport Research Arena (TRA 2012), **Athens, Greece**, 23-26 April 2012.
- /386/ Integrated ramp metering and mainstream traffic flow control on freeways using variable speed limits. Transport Research Arena (TRA 2012), **Athens, Greece**, 23-26 April 2012.
- /387/ Real-time merging traffic control for throughput maximization at motorway work zones. Transport Research Arena (TRA 2012), **Athens, Greece**, 23-26 April 2012.

- /388/ Ramp metering: What it can and cannot do (**invited talk**). Atelier Technique Strategies de Regulation du Trafic, Karrus/Sensys Networks, **Lyon, France**, 4 May 2012.
- /389/ Mainstream and merging traffic control (**invited keynote plenary presentation**). 9th Intern. Conference on Modeling, Optimization and Simulation (MOSIM 12), **Bordeaux, France**, 6-8 June 2012.
- /390/ Systems of systems: Some thoughts, experiences and challenges (**invited talk**). Workshop on “Synergies among Projects and Directions and Approaches in Systems Engineering towards H2020”, European Commission, DG INFSO, **Brussels, Belgium**, 4-5 July 2012.
- /391/ Exploiting the fundamental diagram of urban networks for feedback-based gating (**invited talk**). School of Civil Engineering, Tsinghua University, **Beijing, China**, 3 August 2012.
- /392/ Traffic flow modelling: A critical discussion (**invited plenary talk**). 12th COTA Intern. Conference of Transportation Professionals (CICTP 2012), **Beijing, China**, August 3-6, 2012.
- /393/ Freeway traffic control (**invited talk**). Department of Transportation Science and Engineering, Beihang University, **Beijing, China**, 6 August 2012.
- /394/ Control problems in road traffic networks (**invited keynote presentation**). HYCON2 Workshop on Large-Scale Complex Control Systems, **Villeneuve d'Ascq, France**, 30 August 2012.
- /395/ Freeway traffic control (**invited keynote plenary presentation**). 15th Meeting of the EURO Working Group on Transportation, **Paris, France**, 10-13 September 2012.
- /396/ Integrated ramp metering and mainstream traffic flow control on freeways using variable speed limits. 13th IFAC Symposium on Control in Transportation Systems (CTS 2012), **Sofia, Bulgaria**, September 12-14, 2012.
- /397/ Freeway traffic control (**invited plenary presentation**). 13th IFAC Symposium on Control in Transportation Systems (CTS 2012), **Sofia, Bulgaria**, September 12-14, 2012.
- /398/ Why traffic management is important and what are the opportunities and challenges. 5th NEARCTIS Workshop: Structuring Future Research Effort in Road Cooperative Traffic Management, **Vienna, Austria**, October 22, 2012.
- /399/ Traffic control in action (**invited talk**). Seminaire InTech “Systèmes de Transports Intelligents et Technologies Associées”, INRIA, **Grenoble, France**, 29 November 2012.
- /400/ Exploiting the fundamental diagram of urban networks for feedback-based gating (**invited talk**). Institut Français des Sciences et Technologies des Transports, de l'Aménagement et des Réseaux (IFSTTAR), **Paris, France**, 14 December 2012.
- /401/ Feedback gating based on sparse-measurement urban network fundamental diagram. 92nd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C., U.S.A.**, January 13-17, 2013.
- /402/ Traffic control in action (**invited talk**). Workshop on Active Traffic Management: Technology, Data, and Users, 92nd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C., U.S.A.**, January 16, 2013.
- /403/ Exploiting the fundamental diagram of urban networks for feedback-based gating (**invited talk**). Faculty of Civil Engineering and Geosciences, Delft University of Technology, **Delft, The Netherlands**, 18 March 2013.
- /404/ Exploiting the fundamental diagram of urban networks for feedback-based gating (**invited talk**). Facoltà di Ingegneria Civile ed Industriale, Università di Roma "La Sapienza", **Rome, Italy**, 2 May 2013.
- /405/ Motorway traffic control (**invited lectures**). 1st COST-ARTS Summer School “Autonomic Road Transport Support Systems: Foundations & Techniques”, IFSTTAR and École des Ponts-ParisTech, **Paris, France**, May 21-24, 2013.
- /406/ Traffic flow modelling: Some critical questions. Workshop on Modelling Uncertainties of the COST Action MULTITUDE, **Chania, Greece**, 30 May 2013.
- /407/ Cooperative traffic flow modelling and control. NEARCTIS Final Event, Civil, Structural and Environmental Engineering Department, Trinity College Dublin, **Dublin, Ireland**, 6 June 2013.

- /408/ Exploiting the fundamental diagram of urban networks for feedback-based gating (**invited talk**). Workshop “Control and Adaptation: A 30-Year Journey”, **Larnaca, Cyprus**, June 24, 2013.
- /409/ Freeway traffic control (**invited talk**). 3rd Annual KIOS Workshop, University of Cyprus, **Nicosia, Cyprus**, 25 June 2013.
- /410/ Future traffic management concepts and challenges (**invited talk**). TrafficQuest/ISTTT20 Masterclass on “The Future of Traffic Management”, **Noordwijk, The Netherlands**, 16 July 2013.
- /411/ Perimeter traffic control via remote feedback gating. 16th EURO Working Group on Transportation Meeting, **Porto, Portugal**, 4-6 September 2013.
- /412/ Real-time route diversion control at congested off-ramp areas - Part II: Route guidance versus off-ramp closure. 16th EURO Working Group on Transportation Meeting, **Porto, Portugal**, 4-6 September 2013.
- /413/ TRAMAN21: Motivation and scope (**invited presentation**). VRA-Project European Concertation Meeting #1, **Brussels, Belgium**, 1 October 2013.
- /414/ Μακροσκοπικά μοντέλα κυκλοφοριακής ροής και μέθοδοι βελτιστοποίησης για την επικύρωσή τους (Macroscopic traffic flow models and optimization methods for their validation). 6^ο Συνέδριο για την Έρευνα στις Μεταφορές στην Ελλάδα (6th Congress on Transportation Research in Greece), **Thessaloniki, Greece**, 17-18 October 2013.
- /415/ Συγκριτική αξιολόγηση μακροσκοπικών μοντέλων κυκλοφορίας σε περιοχές ραμπών εξόδου αυτοκινητοδρόμων (Comparative evaluation of macroscopic traffic flow models in freeway off-ramp areas). 6^ο Συνέδριο για την Έρευνα στις Μεταφορές στην Ελλάδα (6th Congress on Transportation Research in Greece), **Thessaloniki, Greece**, 17-18 October 2013.
- /416/ TRAMAN21: Motivation and scope. TRAMAN21 Workshop 2013, **Chania, Greece**, 1 November 2013.
- /417/ Traffic control: Past, present and future (**invited plenary speech**). The First Intern. Conference on Future Traffic: Green City and Smart Transport, **Ningbo, China**, 7-8 November 2013.
- /418/ The importance of traffic flow modelling for improved traffic operations (**invited keynote speech**). MULTITUDE Final Conference, **Naples, Italy**, 4-6 December 2013.
- /419/ Freeway traffic control: Past, present and future (**invited honorary webinar**). Organised by the Committee on Traffic Flow Theory and Characteristics of the TRB (Transportation Research Board), 19 December 2013. (https://www.youtube.com/watch?v=y2W9desgrOU&index=1&list=PL_p3GHPfoKgi_YqulHA0jPI6tyVr117Em)
- /420/ Evaluation of HERO installation at M1-M3 Freeway in Queensland, Australia. 93rd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2014.
- /421/ Freeway traffic management in presence of VACS (Vehicle Automation and Communication Systems) (**invited presentation**). 93rd Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2014.
- /422/ Vision of Mobility 2050 - Traffic Management Aspects. ERTICO Workshop on ITS-Mobility 2040-2050, **Athens, Greece**, 5-7 February 2014.
- /423/ Freeway traffic control (**invited lecture**). Department of Computer Science, Bioengineering, Robotics and Systems Engineering, University of Genova, **Savona, Italy**, 3 April 2014.
- /424/ Freeway traffic control: Past, present and future (**invited seminar**). Centre for Smart Transportation, Department of Civil and Environmental Engineering, University of Alberta, **Edmonton, Canada**, 29 April 2014.
- /425/ Variable speed limits: An innovative application approach (**invited talk**). Edmonton’s 6th Annual Intern. Conference on Urban Traffic Safety, **Edmonton, Canada**, April 28 – May 2, 2014.
- /426/ Motorway flow optimization in presence of vehicle automation and communication systems. Intern. Conference on Engineering and Applied Science Optimization (OPT-i), **Kos, Greece**, 4-6 June 2014.
- /427/ Optimal control as a source of intelligent behaviour in Engineering systems (**invited plenary presentation**). Conference on Engineering and Applied Science Optimization (OPT-i), **Kos, Greece**, 4-6 June 2014.

- /428/ Challenges and prerequisites for vehicle automation: Traffic management issues (**invited plenary presentation**). TRB/AUVSI Automated Vehicles Symposium 2014, **San Francisco, California**, 15-17 July 2014.
- /429/ Centralised versus decentralized freeway traffic management in presence of VACS (invited presentation). TRB/AUVSI Automated Vehicles Symposium 2014, **San Francisco, California**, 15-17 July 2014.
- /430/ Freeway traffic control: Past, present and future (**invited plenary talk**). XLI (National) Symposium on Operations Research (SYM-OP-IS 2014), **Divcibare, Serbia**, 16-19 September 2014.
- /431/ Model-predictive control for multi-lane motorways in presence of VACS (Vehicle automation and communication systems). 17th Intern. IEEE Conference on Intelligent Transportation Systems, **Qingdao, China**, October 8-11, 2014.
- /432/ Local ramp metering with distant downstream bottlenecks: A comparative study. 17th Intern. IEEE Conference on Intelligent Transportation Systems, **Qingdao, China**, October 8-11, 2014.
- /433/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited keynote presentation**). Intern. Symposium on Recent Advances in Intelligent Transportation Systems and Traffic Flow Theory: The Frontier and Challenges, College of Civil Engineering and Architecture, Zhejiang University, **Hangzhou, China**, 13-14 October 2014.
- /434/ Application of advanced nonlinear discrete-time control concepts to road traffic control problems (**invited presentation**). Intern. Symposium on Recent Advances in Intelligent Transportation Systems and Traffic Flow Theory: The Frontier and Challenges, College of Civil Engineering and Architecture, Zhejiang University, **Hangzhou, China**, 13-14 October 2014.
- /435/ Freeway traffic control: Past, present and future (**invited keynote plenary talk**). 11th Intern. Congress on Advances in Civil Engineering (ACE 2014), **Istanbul, Turkey**, 21-25 October 2014.
- /436/ Calibration of two macroscopic traffic flow models using a genetic algorithm. 11th Intern. Congress on Advances in Civil Engineering (ACE 2014), **Istanbul, Turkey**, 21-25 October 2014.
- /437/ Freeway traffic management in presence of VACS (Vehicle Automation and Communication Systems) (**invited presentation**). AVL Turkey, **Gebze, Turkey**, 23 October 2014.
- /438/ Optimal control for multi-lane motorways in presence of vehicle automation and communication systems (**invited presentation**). Seminar on "Transportation Networks Modeling", IFSTTAR, **Paris, France**, 18 December 2014.
- /439/ Optimization-oriented first-order multilane model for motorway traffic. 94th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 11-15, 2015.
- /440/ Traffic management in presence of vehicle automation and communication systems: Project TRAMAN21. 94th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 11-15, 2015.
- /441/ Comparison of online time-delayed and non-time-delayed urban traffic control via remote feedback gating. 94th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 11-15, 2015.
- /442/ Presentation of DSSL and potential research proposals (**invited participation**). Conference on Scientific Cooperation between Greece and Germany, **Hamburg, Germany**, 5-7 February 2015.
- /443/ Freeway traffic control (**invited didactic-scientific lecture**). Facoltà di Ingegneria Civile ed Industriale, Università di Roma "La Sapienza", **Rome, Italy**, 20 March 2015.
- /444/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited keynote presentation**). Symposium on Smart Mobility on the Road, DITCM Automotive Campus, **Helmond, The Netherlands**, 30 March 2015.
- /445/ Traffic Modeling, Control and Optimization, Theory and Applications (**invited interview**). IEEE-ITS Podcast 24, online on 1 April 2015 at <http://itsp.cicei.com/?p=674>
- /446/ Freeway traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Chair of Traffic Engineering and Control, Technical University of Munich, **Munich, Germany**, 17 April 2015.
- /447/ Traffic management in presence of vehicle automation and communication systems (VACS) (**invited presentation**). Workshop on Automation and Robotics in honour of Professor Günther Schmidt on his 80th birthday, Chair of Automatic Control Engineering, Technical University of Munich, **Munich, Germany**, 17 April 2015.

- /448/ Variable speed limits: An innovative application approach (**invited keynote plenary presentation**). The 3rd Intern. Conference on Transportation Information and Safety (ICTIS 2015), **Wuhan, China**, June 25-28, 2015.
- /449/ Experience and advice for publishing in good scientific journals (**invited tutorial presentation**). Special Workshop for Graduate Students, Wuhan University of Technology, **Wuhan, China**, 27 June 2015.
- /450/ Freeway traffic management in the era of vehicle automation and communication systems (VACS) (**invited webinar**). Organised by the European VRA (Vehicle and Road Automation) project, 4 September 2015.
(<https://www.youtube.com/watch?v=5A3ER-TeVfA&feature=youtu.be&t=552>)
- /451/ Freeway traffic management in the era of vehicle automation and communication systems (VACS) (**invited keynote plenary presentation**). 18th IEEE Intern. Conference on Intelligent Transportation Systems, **Las Palmas de Gran Canaria, Spain**, September 15-18, 2015.
- /452/ Macroscopic modelling and simulation of ACC and CACC traffic. 18th IEEE Intern. Conference on Intelligent Transportation Systems, **Las Palmas de Gran Canaria, Spain**, September 15-18, 2015.
- /453/ Macroscopic modelling and simulation of multi-lane traffic. 18th IEEE Intern. Conference on Intelligent Transportation Systems, **Las Palmas de Gran Canaria, Spain**, September 15-18, 2015.
- /454/ Highway traffic state estimation with mixed connected and conventional vehicles using speed measurements. 18th IEEE Intern. Conference on Intelligent Transportation Systems, **Las Palmas de Gran Canaria, Spain**, September 15-18, 2015.
- /455/ Optimal control for multi-lane motorways in presence of vehicle automation and communication systems (**invited presentation**). Mini-Workshop on Modeling and Control of Traffic Systems, Université de Grenoble, **Grenoble, France**, 1 October 2015.
- /456/ Freeway traffic control (**invited plenary presentation**). 19th Intern. Conference on System Theory, Control and Computing (ICSTCC 2015), **Cheile Gradistei, Romania**, October 14 - 16, 2015.
- /457/ Traffic management for the 21st century (**invited presentation**). iMobility Forum Plenary Meeting on Automation Impact for Vehicles, Infrastructure and Users, **Brussels, Belgium**, 21 October 2015.
- /458/ Freeway traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Workshop on Traffic Control, Institute for Pure and Applied Mathematics (IPAM), University of California at Los Angeles (UCLA), **Los Angeles, California**, October 26-30. 2015.
- /459/ Active traffic management and new technologies (**invited presentation**). Symposium on Challenges in Urban Mobility. Universitat Politècnica de Catalunya, **Barcelona, Spain**, 16 November 2015.
- /460/ Traffic control (**invited 3-day short course**). Technical University of Braunschweig, **Braunschweig, Germany**, 25-27 November 2015.
- /461/ Active traffic management and new technologies (**invited presentation**). Technical University of Braunschweig, **Braunschweig, Germany**, 26 November 2015.
- /462/ Πρακτικά εργαλεία επιτήρησης και ελέγχου κυκλοφοριακής ροής (Practical tools for traffic flow surveillance and control). Διημερίδα ITS Hellas Ευφυή Συστήματα Μεταφορών και Εξελίξεις στην Ελλάδα (ITS Hellas Conference on Intelligent Transport Systems and Developments in Greece), **Athens, Greece**, 15-16 December 2015.
- /463/ Highway traffic state estimation using speed measurements: Case studies on NGSIM data and Highway A20 in the Netherlands. 95th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2016.
- /464/ Real-time merging traffic control at congested freeway off-ramp areas. 95th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2016.
- /465/ Capacity drop in first-order traffic flow models: Overview and real-data validation. 95th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 10-14, 2016.

- /466/ TRAMAN21: Motivation and scope (**invited presentation**). TFTC Committee Meeting at the 95th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13, 2016.
- /467/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Séminaire Modélisation des Réseaux de Transport, IFSTTAR & ENPC, **Paris, France**, 25 February 2016.
- /468/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Master Class “Road Traffic Modelling and Control”, TRAIL Research School for Transport, Infrastructure and Logistics, **Delft, The Netherlands**, 21 March 2016.
- /469/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). 9th Panhellenic Conference of Electrical Engineering and Computer Science Students, **Chania, Greece**, 20-22 April 2016.
- /470/ Optimal lane-changing control at motorway bottlenecks. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /471/ Two-class freeway traffic control for reducing congestion and emissions: a computational analysis. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /472/ A two-class traffic control scheme for reducing congestion, decreasing emissions and improving safety in freeway systems. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /473/ Applications of nonlinear adaptive control to local and coordinated ramp metering. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /474/ On macroscopic modelling of ACC/CACC traffic flows. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /475/ Using motion planning techniques to improve traffic flow. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /476/ Feedback-based integrated motorway traffic flow control. 1st Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2016), **Chania, Greece**, June 2-3, 2016.
- /477/ Complex system problems in road traffic control (**invited presentation**). Complexity Science Workshop, Systems & Control Research Centre, School of Mathematics, Computer Science and Engineering, City University, **London, U.K.**, 21-22 July 2016.
- /478/ Freeway traffic control: An overview (**invited lecture**). 37th Summer School of Automatic Control on Advanced Algorithms for Traffic Prediction and Control, Gipsa-Lab, **Grenoble, France**, September 12-16, 2016.
- /479/ Future Traffic Management: Towards a Cyber-Physical System Network (**invited presentation**). Intern. Symposium on Networked Cyber-Physical Systems (NET-CPS 2016), TUM Institute for Advanced Study, Technical University of Munich, **Munich, Germany**, 19-20 September 2016.
- /480/ Automated tuning of ITS algorithms: Results from real-life application. 2nd Διημερίδα ITS Hellas Ευφυή Συστήματα Μεταφορών και Εξελίξεις στην Ελλάδα (2nd ITS Hellas Conference on Intelligent Transport Systems and Developments in Greece), **Athens, Greece**, 19-20 December 2016.
- /481/ Lane-changing feedback control for efficient lane assignment at motorway bottlenecks. 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 8-12, 2017.
- /482/ Balancing delays and relative queues at the urban network periphery under perimeter control. 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 8-12, 2017.
- /483/ Calibration and validation of a macroscopic multi-lane traffic flow model using a Differential Evolution Algorithm. 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 8-12, 2017.

- /484/ Cooperative vehicle merging on highways: Model predictive control. 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 8-12, 2017.
- /485/ Simulation study of centralized versus decentralized approaches to signal control of large-scale urban networks. 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 8-12, 2017.
- /486/ TRAMAN21: Update on progress (**invited presentation**). TFTC Committee Meeting at the 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 11, 2017.
- /487/ Freeway traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Workshop on “Active Transportation Operation and Demand Management in Connected/Automated Traffic Systems: Data Collection and Analytics, Modeling and Control”, 96th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12, 2017.
- /488/ Freeway traffic control: An overview (**invited lecture**). 2017 EURO Winter Institute on Methods and Models in Transportation Problems (2017 WI- EWGT), **Bressanone, Italy**, 14-23 February 2017.
- /489/ Freeway traffic management in the era of vehicle automation and communication systems (VACS) (**invited lecture**). 2017 EURO Winter Institute on Methods and Models in Transportation Problems (2017 WI- EWGT), **Bressanone, Italy**, 14-23 February 2017.
- /490/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). DLR – Deutsches Zentrum für Luft- und Raumfahrt , **Berlin, Germany**, 10 April 2017.
- /491/ Real-time ACC exploitation for improved motorway traffic flow (**invited presentation**). Workshop on Smart Mobility, **Junglinster, Luxembourg**, June 1-2, 2017.
- /492/ Traffic management issues in C-ART (Coordinated Automated Road Transport) (**invited presentation**). Stakeholders’ Workshop on Challenges & Opportunities of Coordinated Automated Road Transport (C-ART). **Brussels, Belgium**, 12-13 June, 2017.
- /493/ Real-time ACC exploitation for improved motorway traffic flow (**invited presentation**). Delft Center for Systems and Control, Technical University of Delft, **Delft, The Netherlands**, 22 June 2017.
- /494/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Fakultät für Elektrotechnik, Helmut Schmidt University, **Hamburg, Germany**, 26 June 2017.
- /495/ Real-time ACC exploitation for improved motorway traffic flow (**invited keynote plenary presentation**). 17th COTA Intern. Conference of Transportation Professionals (CICTP 2017), **Shanghai, China**, July 7-9, 2017.
- /496/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Department of Automation, Shanghai Jiaotong University, **Shanghai, China**, 10 July 2017.
- /497/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited keynote presentation**). 8th Intern. Congress on Transportation Research, **Thessaloniki, Greece**, 27-29 September 2017.
- /498/ Integrated motorway traffic flow control. 8th Intern. Congress on Transportation Research, **Thessaloniki, Greece**, 27-29 September 2017.
- /499/ Simulation investigations of the coordinated traffic-responsive signal control strategy TUC with actuation at the local junction level. 8th Intern. Congress on Transportation Research, **Thessaloniki, Greece**, 27-29 September 2017.
- /500/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Institute of Intelligent Transportation Systems, College of Civil Engineering and Architecture, Zhejiang University, **Hangzhou, China**, 13 October 2017.
- /501/ Traffic flow modelling, simulation and operations (**invited keynote plenary presentation**). Intern. Engineering Technology Development Strategy High-End Forum - Artificial Intelligence and Simulation, 2017 China Simulation Conference, **Hangzhou, China**, 14-15 October 2017.
- /502/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited presentation**). Transport Studies Unit, TSU Tokyo Institute of Technology (Tokyo Tech), **Tokyo, Japan**, 16 October 2017.

- /503/ Structural observability of multi-lane traffic with connected vehicles. 20th IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Yokohama, Japan**, October 16-19, 2017.
- /504/ Validation of a per-lane traffic state estimation scheme for highways with connected vehicles. 20th IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Yokohama, Japan**, October 16-19, 2017.
- /505/ An adaptive control scheme for local and coordinated ramp metering. 20th IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Yokohama, Japan**, October 16-19, 2017.
- /506/ Evaluation of an MPC strategy for motorway traffic comprising connected and automated vehicles. 20th IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Yokohama, Japan**, October 16-19, 2017.
- /507/ Automated and connected vehicles: Towards a disruptive mobility evolution? (**invited 3-hour lecture**). Intern. Interdepartmental MSc Program in Technology and Innovation Management, Technical University of Crete, **Chania, Greece**, 1 November 2017.
- /508/ Emerging trends in advanced control system applications in Intelligent Transport Systems (**invited 5-day GIAN Course** sponsored by MHRD, Govt. of India). Department of Electrical Engineering, Delhi Technological University, **Delhi, India**, 4-8 December 2017.
- /509/ Adaptive cruise control operation for improved motorway traffic flow. 97th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2018.
- /510/ A macroscopic multi-lane traffic flow model for ACC/CACC traffic dynamics. 97th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2018.
- /511/ Motorway path planning for automated road vehicles based on optimal control methods. 97th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2018.
- /512/ Traffic flow characteristics with cooperative adaptive cruise control: An intensive study using enhanced AIMSUN. . 97th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2018.
- /513/ Minimization of fuel consumption for vehicle trajectories. 97th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2018.
- /514/ Real-time ACC exploitation for improved motorway traffic flow. 3^η Δημερίδα ITS Hellas Ευφή Συστήματα Μεταφορών και Εξελίξεις στην Ελλάδα (3rd ITS Hellas Conference on Intelligent Transport Systems and Developments in Greece), **Athens, Greece**, 23-24 January 2018.
- /515/ Traffic management for the 21st century (**invited talk**). Distinguished Lecture Series, Department of Civil and Mineral Engineering, University of Toronto, **Toronto, Canada**, 1 February 2018.
- /516/ Freeway traffic control (**invited presentation**). Transportation Research Institute, University of Toronto, **Toronto, Canada**, 2 February 2018.
- /517/ Dynamic traffic flow modelling and control and emerging trends (**invited 3-day short course**). Technical University of Braunschweig, **Braunschweig, Germany**, 6-9 March 2018.
- /518/ Freeway traffic control (**invited presentation**). Department of Civil and Architectural Engineering, KTH Royal Institute of Technology, **Stockholm, Sweden**, 26 April 2018.
- /519/ New transportation technologies (**invited panel participation**). Joint European Parliament's STOA (Science and Technology Options Assessment Panel) and ERC (European Research Council) Event on Onvesting in Young Researchers, Shaping Europe's Future, European Parliament, **Strasbourg, France**, 30-31 May 2018.
- /520/ Motorway traffic flow modelling, estimation and control with VACS (Vehicle Automation and Communications Systems) (**invited keynote plenary presentation**). 15th IFAC Symposium on Control in Transportation Systems, **Savona, Italy**, 6-8 June 2018.

- /521/ Predictor-based adaptive cruise control design with integral action. 15th IFAC Symposium on Control in Transportation Systems, **Savona, Italy**, 6-8 June 2018.
- /522/ Feedback traffic control at highway work zones using variable speed limits. 15th IFAC Symposium on Control in Transportation Systems, **Savona, Italy**, 6-8 June 2018.
- /523/ A new macroscopic model for Variable Speed Limits. 15th IFAC Symposium on Control in Transportation Systems, **Savona, Italy**, 6-8 June 2018.
- /524/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited keynote presentation**). 5th IEEE WoWMoM Workshop on Smart Vehicles: Connectivity Technologies and ITS Applications (IEEE SmartVehicles '18), **Chania, Greece**, 12 June 2018.
- /525/ Traffic management for the 21st century (**invited keynote plenary talk**). 7th Intern. Symposium & 29th National Conference on Operational Research, **Chania, Greece**, June 14-16, 2018.
- /526/ Motorway traffic flow modelling, estimation and control with VACS (Vehicle Automation and Communications Systems) (**invited talk**). Facoltà di Ingegneria Civile ed Industriale, Università di Roma La Sapienza, **Rome, Italy**, 19 June 2018.
- /527/ Freeway traffic control (**invited talk**). Facoltà di Ingegneria Informatica, Automatica e Gestionale Antonio Ruberti, Università di Roma La Sapienza, **Rome, Italy**, 20 June 2018.
- /528/ Traffic management for the 21st century (**invited talk**). Dipartimento di Ingegneria, Università Roma Tre, **Rome, Italy**, 21 June 2018.
- /529/ Motorway traffic state estimation with connected vehicle data (**invited presentation**). Workshop on Connected, Shared and Automated Vehicles in Urban Road Networks, Department of Enterprise Engineering "Mario Lucertini", University of Rome Tor Vergata, **Rome, Italy**, 12 July 2018.
- /530/ Freeway traffic control via variable speed limits (**invited keynote plenary talk**). ISTS & IWTDCS Conference, **Matsuyama, Japan**, 4-6 August 2018.
- /531/ Integrated control of motorway bottlenecks via flow metering and lane assignment. 7th Symposium of the European Association for Research in Transportation (hEART 2018), **Athens, Greece**, 5-7 September 2018.
- /532/ Motorway traffic state estimation with connected vehicle data (**invited keynote plenary speech**). 7th Symposium of the European Association for Research in Transportation (hEART 2018), **Athens, Greece**, 5-7 September 2018.
- /533/ A linear quadratic integral regulator for local ramp metering in the case of distant downstream bottlenecks. 7th Symposium of the European Association for Research in Transportation (hEART 2018), **Athens, Greece**, 5-7 September 2018.
- /534/ Traffic flow modelling, simulation and operations (**invited talk**). School of Civil Engineering, Tsinghua University, **Beijing, China**, 25 September 2018.
- /535/ Freeway traffic control (**invited talk**). School of Civil Engineering, Tsinghua University, **Beijing, China**, 26 September 2018.
- /536/ Traffic management for the 21st century (**invited lecture to the 1st-year undergraduate and graduate students**). School of Civil Engineering, Tsinghua University, **Beijing, China**, 27 September 2018.
- /537/ Traffic management for the 21st century (**invited talk**). 1st Greek ERC Grantee Meeting, Foundation for Research and Technology (FORTH), **Heraklion, Greece**, 15-17 October 2018.
- /538/ INFRAMIX project - Road Infrastructure ready for mixed vehicle traffic flows (**invited presentation**). MAVEN Project Expert Group Meeting, **London, U.K.**, 23 October 2018.
- /539/ Freeway traffic control (**invited lecture to undergraduate students**). Department of Systems and Control Engineering, University of Malta, **Msida, Malta**, 3 October 2018.
- /540/ Traffic management for the 21st century (**invited public talk**). Department of Systems and Control Engineering, University of Malta, **Msida, Malta**, 3 October 2018.

- /541/ Motorway traffic control via variable speed limits. 4th Δημερίδα ITS Hellas Ευφυή Συστήματα Μεταφορών και Εξελίξεις στην Ελλάδα (4th ITS Hellas Conference on Intelligent Transport Systems and Developments in Greece), **Athens, Greece**, 18-19 December 2018.
- /542/ Freeway traffic control (**invited talk**). KIOS Distinguished Lecture Series, KIOS Research and Innovation Centre of Excellence, University of Cyprus, **Nicosia, Cyprus**, 7 February 2019.
- /543/ Overview of the status and main challenges of mobility in Crete (**invited presentation**). Greening Islands – Observatory Island Meeting, Region of Crete, **Heraklion, Greece**, 28 February – 1 March 2019.
- /544/ Optimal control approaches to vehicle trajectory planning (**invited keynote plenary presentation**). 6th Intern. Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS 2019), **Kraków, Poland**, 5-7 June 2019.
- /545/ Freeway traffic control (**invited lecture**). The 2019 Advanced Course on Artificial Intelligence (ACAI=2019) and Hellenic Artificial Intelligence Summer School (HAISS-2019), Technical University of Crete, **Chania, Greece**, 1-5 July 2019.
- /546/ The ERC Advanced Projects TRAMAN21 and TrafficFluid (**invited presentation**). Workshop on The Future of Mobility: Some Breakthroughs from ERC Projects in Transportation. École Polytechnique Fédérale de Lausanne, **Lausanne, Switzerland**, 23 July 2019.
- /547/ Optimization-based path planning for automated vehicles. 9th Intern. Congress on Transportation Research, **Athens, Greece**, 24-25 October 2019.
- /548/ Motorway traffic flow modelling, estimation and control with VACS (Vehicle Automation and Communications Systems) (**invited presentation**). Austrian Institute of Technology (AIT), **Vienna, Austria**, 31 October 2019.
- /549/ TrafficFluid: Lane-free artificial-fluid environment for vehicular traffic (**invited presentation**). Austrian Institute of Technology (AIT), **Vienna, Austria**, 31 October 2019.
- /550/ Vehicular traffic flow as an artificial fluid (**invited presentation**). IEEE TUC Student Branch, Technical University of Crete, **Chania, Greece**, 22 November 2019.
- /551/ Sustainability, transportation and automated vehicles (**invited presentation**). ERC (European Research Council) Conference "Frontier Research: Creating Pathways to Sustainability"; **Brussels, Belgium**, 2-3 December 2019.
- /552/ Vehicular traffic flow as an artificial fluid. 5th Δημερίδα ITS Hellas Ευφυή Συστήματα Μεταφορών και Εξελίξεις στην Ελλάδα (5th ITS Hellas Conference on Intelligent Transport Systems and Developments in Greece), **Athens, Greece**, 17-18 December 2019.
- /553/ Vehicle trajectory specification in presence of traffic lights with known or uncertain switching times. 99th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2020.
- /554/ Merging in mixed traffic of connected and automated vehicles and conventional vehicles: A model predictive control framework. 99th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2020.
- /555/ Lane-free artificial-fluid environment for vehicular traffic (**invited presentation**). Annual Meeting of the TRB Vehicle-Highway Automation Committee (AHB30) at the 99th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, 14 January 2020.
- /556/ Joint queue estimation and max-pressure control for signalized urban networks with connected vehicles. 99th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2020.
- /557/ Lane-free artificial-fluid environment for vehicular traffic (**invited presentation**). Annual Meeting of the TRB Freeway Operations Committee (AHB20) at the 99th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, 14 January 2020.
- /558/ What if many smart cars conduct ego-efficient lane changes in traffic flow: An answer provided by Reinforcement Learning. 99th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 12-16, 2020.

- /559/ Lane-free artificial-fluid environment for vehicular traffic (TrafficFluid) (**invited presentation**). Chair of Transportation Systems Engineering, Technical University of Munich, **Munich, Germany**, 23 January 2020.
- /560/ Lane-free artificial-fluid environment for vehicular traffic (TrafficFluid) (**invited presentation**). Institute of Applied and Computational Mathematics (IACM), Foundation for Research & Technology-Hellas (FORTH), **Heraklion, Greece**, 6 March 2020.
- /561/ Vehicular traffic flow as an artificial fluid (**invited presentation**). 3rd Webinar of the ECTRI Thematic Group on Traffic Management, 14 May 2020, online.
- /562/ Path-planning for automated vehicles in a cooperative framework. 3rd Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2020), **Luxembourg**, 6-8 July 2020, online.
- /563/ A dynamic lane assignment strategy for mixed vehicle traffic – A simulation-based investigation. 3rd Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2020), **Luxembourg**, 6-8 July 2020, online.
- /564/ Ego-efficient lane changes of smart vehicles with impacts on traffic flow. 3rd Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2020), **Luxembourg**, 6-8 July 2020, online.
- /565/ Traffic control algorithms for mixed vehicle traffic – A simulation-based investigation. 3rd Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2020), **Luxembourg**, 6-8 July 2020, online.
- /566/ Panel Discussion on Roadmap to Level 5: What research needs to do to support full implementation of automation? (**invited participation**). 3rd Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2020), **Luxembourg**, 6-8 July 2020, online.
- /567/ Traffic flow modeling: Theoretical issues and application perspectives for intelligent and connected highways (together with Prof. Gaetano Fusco) (**invited presentation**). European Transport Conference - Virtual 2020, **online**, September 9-11, 2020.
- /568/ Real-time internal boundary control of lane-free automated vehicle traffic. Workshop on “Network Impacts of Emerging Mobility Trends”, 23rd IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Rhodes, Greece**. September 20-23, 2020 (virtual).
- /569/ Online road vehicle trajectory specification in presence of traffic lights with stochastic switching times. Workshop on “Traffic Management for Future Mobility – CAVs in a Mixed Traffic Environment”, 23rd IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Rhodes, Greece**. September 20-23, 2020 (virtual).
- /570/ Using nudging for the control of a non-local PDE traffic flow model. 23rd IEEE Intern. Conference on Intelligent Transportation Systems (ITSC), **Rhodes, Greece**, September 20-23, 2020 (virtual).
- /571/ Optimal control approaches to vehicle trajectory planning (**invited keynote presentation**). XIV Balkan Conference on Operational Research (BALCOR 2020), **Thessaloniki, Greece**, 30 September- 3 October 2020 (virtual).
- /572/ Lane-free artificial-fluid environment for vehicular traffic (TrafficFluid) (**invited keynote presentation**). 4th Intern. Conference on SmartRail, Traffic and Transportation Engineering (ICSTTE 2020), **Madrid, Spain**, 19-21 October 2020 (virtual).
- /573/ A new traffic paradigm and related opportunities in the CAV era (**invited keynote plenary presentation**). IEEE Forum on Integrated and Sustainable Transportation Systems (FORUM ISTS2020), **Delft, The Netherlands**, 3-5 November 2020 (virtual).
- /574/ Dynamic traffic flow modelling and control and emerging trends (**invited 5-day short course**). Technical University of Braunschweig, **Braunschweig, Germany**, 30 November - 4 December 2020 (online).
- /575/ A new traffic paradigm and related opportunities in the CAV era (**invited presentation**). Technical University of Braunschweig, **Braunschweig, Germany**, 11 December 2020 (online).
- /576/ Traffic management in the CAV era (**invited presentation and panel participation**). Panel on “Managing traffic in a CCAM ecosystem: how to do it efficiently and safely?”, 3rd European Conference on Connected and Automated Driving (EUCAD2021), **Virtual Event**, 20-22 April 2021.

- /577/ A new traffic paradigm and related opportunities in the CAV era (**invited presentation**). Special Seminar at MIT ITS (Intelligent Transportation Systems) Lab, co-supported by MIT Mobility Initiative, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, 11 May 2021 (online).
- /578/ Internal boundary control of lane-free automated vehicle traffic using a model-free adaptive controller. 16th IFAC Symposium on Control in Transportation Systems, **Lille, France**, June 8-10, 2021, (virtual).
- /579/ Vehicle-based trajectory specification in presence of traffic lights with stochastic switching times. 16th IFAC Symposium on Control in Transportation Systems, **Lille, France**, June 8-10, 2021, (virtual).
- /580/ Optimal control of internal road boundary for lane-free automated vehicle traffic. 7th Intern. IEEE Conference on Models and Technologies for Intelligent Transportation Systems (MT-ITS 2021), **Heraklion, Greece**, 16-17 June 2021 (online).
- /581/ A new traffic paradigm and related opportunities in the CAV era (**invited presentation**). Traffic Flow Theory Webinars, Committee on Traffic Flow Theory and Characteristics, Transportation Research Board, 17 June 2021 (**online**).
- /582/ A new traffic paradigm and related opportunities in the CAV era (**invited seminar**). Traffic Dynamics Modelling and Control Lab, Technical University of Delft, **Delft, The Netherlands**, 6 September 2021.
- /583/ Freeway traffic control (**invited lecture**). Summer School on “Optimization and Control in Infrastructure Networks”, ETHzurich and EPFL (École Polytechnique Fédérale de Lausanne), **Lausanne, Switzerland**, 6-9 September 2021 (online).
- /584/ Rethinking Traffic Flow with Connected and Automated Vehicles – Panel Discussion (**invited participation**). MIT Mobility Initiative, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, 17 September 2021 (online).
- /585/ Motorway traffic control via variable speed limits (**invited presentation**). Webinar on Intelligent Transportation Systems for Sustainable Mobility: Advanced Topics from the US and European Experience. Beijing Jiaotong University, **Beijing, China**, 6-7 December 2021 (online).
- /586/ A new traffic paradigm and related opportunities in the CAV era (**invited presentation**). Webinar on Intelligent Transportation Systems for Sustainable Mobility: Advanced Topics from the US and European Experience. Beijing Jiaotong University, **Beijing, China**, 6-7 December 2021 (online).
- /587/ Real-time control measures for over-spilling freeway off-ramps. 7th ITS Hellas Conference: Transportation & Logistics 4.0, **Athens, Greece**, 8-9 December 2021.
- /588/ Freeway traffic control (**invited executive 3-hour course**) (in cooperation with Prof. B. Rama Chilukuri). 6th Conference of Transportation Research Group of India (CTRG-2021), **Tiruchirappalli (Trichy), India**, 14-17 December 2021 (online).
- /589/ Traffic management for the 21st century (**invited keynote presentation**). 6th Conference of Transportation Research Group of India (CTRG-2021), **Tiruchirappalli (Trichy), India**, 14-17 December 2021 (online).
- /590/ A lane-free microscopic simulation tool for connected and automated vehicles. 101st Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 9-13, 2022.
- /591/ Stationary states and capacity drop at lane-drop bottlenecks with the Intelligent Driver Model. 101st Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 9-13, 2022.
- /592/ A new traffic paradigm in the CAV era (**invited presentation**). 1st Symposium on Connected Mobility, Connected Intelligent Urban Transportation Lab, IIT Madras, **Chennai, India**, 31 March - 1 April 2022. (online presentation)
- /593/ Research Needs and Prospects for Connected and Automated Vehicle Traffic – Panel Discussion (**invited participation**). 1st Symposium on Connected Mobility, Connected Intelligent Urban Transportation Lab, IIT Madras, **Chennai, India**, 31 March - 1 April 2022. (**online presentation**)
- /594/ A new traffic paradigm in the CAV era (**invited presentation**). METRANs Seminar Series, University of Southern California, **Los Angeles, California**, May 9, 2022. (online)
- /595/ Lane-free traffic with connected and automated vehicles – An optimal control approach. 11th Triennial Symposium on Transportation Analysis (TRISTAN XI), **Mauritius Island**, June 19-25, 2022.

- /596/ A new traffic paradigm in the CAV era (**invited presentation**). 2nd Israeli Smart Transportation Research Center (ISTRC) Conference (ISTRC22), in honor and memory of Prof. Joseph (Yossie) Prashker, **Haifa, Israel**, July 3-4, 2022.
- /597/ A new traffic paradigm in the CAV era (**invited presentation**). Celebration Seminar for the TUM Ambassador honorary title, Chair of Traffic Engineering and Control, Technical University of Munich, **Munich, Germany**, 15 July 2022.
- /598/ A new traffic paradigm for connected automated vehicles (CAV) (**invited keynote presentation**). 25th IEEE Intern. Conference on Intelligent Transportation Systems (IEEE-ITSC), **Beijing and Macau, China**, September 18 - October 12, 2022. (hybrid event)
- /599/ A new traffic paradigm for connected automated vehicles (CAV) (**invited presentation**). Séminaire Modélisation des Réseaux de Transport, Université Gustave Eiffel, **Paris, France**, 10 November 2022.
- /600/ A new traffic paradigm for connected automated vehicles (CAV) (**invited keynote presentation**). IEEE ITSS Young Professionals Travelling Fellowship Event 2022, **Chania, Greece**, 25-27 November 2022.
- /601/ Optimal control approach for lane-free automated vehicles (**invited presentation**). Workshop on Lane-Free Automated Vehicles, Chair of Traffic Engineering and Control, Technical University of Munich, **Munich, Germany**, 2 December 2022.
- /602/ GLOSA systems for signalised urban junctions (**invited presentation**). 8th ITS Hellas Conference on Intelligent Transport Systems, **Athens, Greece**, 7-8 December 2022.
- /603/ Traffic flow as an artificial fluid (**invited presentation**). Ceremony of Honorary Doctorate by the School of Electrical and Computer Engineering of the Aristotle University of Thessaloniki, **Thessaloniki, Greece**, 20 March 2023.
- /604/ GLOSA algorithms for signalised urban junctions (**invited presentation**). Workshop on Adaptive Control to Intelligent Transportation Systems - In Celebration of Prof. Petros Ioannou's 70th Birthday, **Limassol, Cyprus**, June 29, 2023.
- /605/ Highlights of lane-free automated vehicle traffic with nudging (**invited keynote presentation**). The Road to Emerging Mobility Systems for Smart Cities, Workshop of the IEEE Intelligent Transportation Systems Society, **Ayia Napa, Cyprus**, June 30 - July 1, 2023.
- /606/ Highlights of lane-free automated vehicle traffic with nudging (**invited keynote presentation**). Intelligent Transportation Systems Workshop, Faculty of Maritime and Transportation, Ningbo University, **Ningbo, China**, 14-15 July 2023.
- /607/ Highlights of lane-free automated vehicle traffic with nudging (**invited seminar**). Semiautonomous Seminar, University of California at Berkeley, **Berkeley, California**, 1 September 2023 (online).
- /608/ Road traffic control: Past, present and future (**invited plenary keynote presentation**). The Third EURECA-PRO Conference on Responsible Consumption and Production, Technical University of Crete, **Chania, Greece**, 26-29 September 2023.
- /609/ Highlights of lane-free automated vehicle traffic with nudging (**invited seminar**). Department of Automation, Shanghai Jiaotong University, **Shanghai, China**, 4 December 2023.
- /610/ Highlights of lane-free automated vehicle traffic with nudging (**invited seminar**). Institute of Intelligent Transportation Systems, College of Civil Engineering and Architecture, Zhejiang University, **Hangzhou, China**, 8 December 2023.
- /611/ Freeway traffic control via variable speed limits (**invited seminar**). Institute of Intelligent Transportation Systems, Zhejiang Communications Investment Group Finance Co., **Hangzhou, China**, 8 December 2023.
- /612/ Freeway traffic control (**invited seminar**). Faculty of Maritime and Transportation, Ningbo University, **Ningbo, China**, 13 December 2023.
- /613/ Highlights of lane-free automated vehicle traffic with nudging (**invited presentation**). 41st 'H.S. Tsien International Distinguished Scientists Lecture', Chinese Automation Association (CAA), **Beijing, China**, 2 June 2024.
- /614/ Highlights of lane-free automated vehicle traffic with nudging (**invited plenary keynote presentation**). 12nd Symposium of the European Association for Research in Transportation (hEART 2024), Aalto University, **Espoo, Finland**, 18-20 June 2024.

- /615/ Controlling lane-free signal-free intersections via model predictive control. 12nd Symposium of the European Association for Research in Transportation (hEART 2024), **Espoo, Finland**, 18-20 June 2024.
- /616/ Joint trajectory planning for 1-D snake-like interruptible vehicle platoons in lane-free traffic. 12nd Symposium of the European Association for Research in Transportation (hEART 2024), **Espoo, Finland**, 18-20 June 2024.
- /617/ Integrated control of internal boundaries and signal timing at an isolated intersection for lane-free traffic of CAVs. TRC-30: Conference for the 30th Anniversary of Transportation Research Part C, **Heraklion, Greece**, September 2-4, 2024.
- /618/ Controlling automated vehicles on lane-free roundabouts via a nonlinear controller. TRC-30: Conference for the 30th Anniversary of Transportation Research Part C, **Heraklion, Greece**, September 2-4, 2024.
- /619/ Highlights of lane-free automated vehicle traffic with nudging (**invited plenary keynote presentation**). TRC-30: Conference for the 30th Anniversary of Transportation Research Part C, **Heraklion, Greece**, September 2-4, 2024.
- /620/ Optimization-based autonomous intersection management: A real-world simulation study. TRC-30: Conference for the 30th Anniversary of Transportation Research Part C, **Heraklion, Greece**, September 2-4, 2024.
- /621/ Ramp metering in lane-free vehicular traffic via variable speed limits. TRC-30: Conference for the 30th Anniversary of Transportation Research Part C, **Heraklion, Greece**, September 2-4, 2024.
- /622/ Dynamic lane configuration: Bridging traffic management and infrastructure design. TRC-30: Conference for the 30th Anniversary of Transportation Research Part C, **Heraklion, Greece**, September 2-4, 2024.
- /623/ A constrained Differential Dynamic Programming algorithm for automated vehicles in lane-free traffic. 5th Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2024), **Heraklion, Greece**, 4-6 September 2024.
- /624/ Coordinated control for lane-free traffic of connected automated vehicles on freeways: Internal boundary control, ramp metering and variable speed limit control. 5th Symposium on Management of Future motorway and urban Traffic Systems (MFTS 2024), **Heraklion, Greece**, 4-6 September 2024.
- /625/ Freeway traffic control: Past, present and future (**invited presentation**). Faculty of Maritime and Transportation, Ningbo University, **Ningbo, China**, 21 September 2024. (online)
- /626/ Highlights of lane-free automated vehicle traffic with nudging (**invited plenary keynote presentation**). 16th International Conference ETAI 2024, **Struga, North Macedonia**, 21-23 September 2024.
- /627/ Freeway traffic control via variable speed limits (**invited seminar and panel participation**). Rencontre Technique sur la Régulation Dynamique des Vitesses : Etat des Lieux et Nouvelles Applications (Technical Meeting on Dynamic Speed Control : State of the Art and New Applications). Cerema and Université Gustave Eiffel, **Paris, France**, 15 October 2024.
- /628/ Road traffic control: Past, present and future (**invited online presentation**). Control History Forum at the IEEE CSS (Control Systems Society) Day 2024 Virtual Conference, **online and recorded**, 21-25 October 2024.
- /629/ Traffic management in the era of vehicle automation and communication systems (VACS) (**invited keynote presentation**). 1st Intern. Conference on Traffic Control for Smart Highway, **Ningbo, China**, 22-23 November 2024.
- /630/ Highlights of lane-free automated vehicle traffic with nudging (**invited presentation**). Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology, **Hong Kong**, 26 November 2024.

Chania, 10 December 2024