

Markos Papageorgiou

SCIENTIFIC TALKS AND ATTENDANCE AT SCIENTIFIC MEETINGS

**) denotes participation without presentation*

- /1/ Adaptive Systeme mit rekursiver Parameterschätzung. (Adaptive systems with recursive parameter estimation). Lehrstuhl für Steuerungs- und Regelungstechnik, Technische Universität München, **Munich, W.Germany**, July 6, 1976.
- /2/ Tageszeitabhängige Steuerung des Verkehrsablaufes auf Schnellstraßen (Time-of-day control of freeway traffic flow). As /1/, **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). As /1/, **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**). As /9/, **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). As /1/, **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 Abflußvorgänge in Kanalnetzen (Control of flow in sewer networks). Dorsch Consult Ingenieurges. mbH, **Munich, W.Germany**, February 21, 1983.
- /17/ Abwassertechnisches Seminar. Lehrstuhl und Prüfamts für Wassergütwirtschaft 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 zusammengeschlossenen Ingenieurbüros, **Ingolstadt, W.Germany**, March 7, 1985.
- /23/ 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.
- /24/ Freeway traffic modeling and control (**invited talk**). Laboratoire des Signaux et Systèmes, Ecole Supérieure d'Electricité, **Gif sur Yvette, France**, May 28, 1985.
- /25/ Freeway traffic modeling and control (**invited talk**). Groupe de Physique des Solides, Ecole Normale Supérieure, **Paris, France**, June 25, 1985.
- /26/ 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.
- /27/ An algorithm based on the discrete-time maximum principle and some applications. The Institute of Mathematical Statistics and Operations Research, The Technical University of Denmark, **Lyngby, Denmark**, October 21, 1985.
- /28/ Fortschrittsseminar Steuerungs- und Regelungstechnik, as /1/, **Munich, W.Germany**, October 25, 1985.*)
- /29/ Optimale Echtzeit-Steuerung der Abflußvorgänge in Kanalnetzen (Optimal real-time control of combined sewer networks). As /1/, **Munich, W.Germany**, January 21, 1986.
- /30/ Berichtskolloquium der DFG "Messen, Steuern, Regeln von dynamischen Systemen mit komplexer Struktur", as /1/, **Munich, W.Germany**, March 10 - 11, 1986.*)
- /31/ Mathematical models for traffic control (**invited talk**). Symposium Sistemas de Control de Trafico, **Barcelona, Spain**, May 13 - 15, 1986.
- /32/ DFG-Symposium "Steuerung in der Wassermengen- und Wassergütwirtschaft" (Control of quality in water systems). Institut für Strömungsmechanik u. elektron. Rechnen im Bauwesen, Universitaet Hannover, **Hannover, W.Germany**, June 11 - 12, 1986.*)
- /33/ 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 Wassergütwirtschaft und Gesundheitsingenieurwesen, Technische Universitaet München, **Munich, W.Germany**, March 6, 1987.
- /34/ 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.
- /35/ 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.
- /36/ Deterministische Optimierung im Regelkreis (Deterministic optimization in a feedback structure) (**invited talk**). Fakultät für Elektrotechnik und Informationstechnik, Technische Universitaet München, **Munich, W.Germany**, June 2, 1987.
- /37/ Water flow control of a natural stream: a case study. 10th IFAC World Congress, **Munich, W.Germany**, July 27 - 31, 1987.

- /38/ Modélisation macroscopique de l'écoulement du trafic sur autoroute périurbaine. Institut National de Recherche sur les Transports et leur Sécurité, **Arcueil, France**, October 28, 1987.
- /39/ Structures et méthodes de contrôle optimal avec exemples d'application au trafic autoroutier. Séminaires Mathématiques Appliquées, as /38/, **Arcueil, France**, December 16, 1987.
- /40/ Modélisation (META) et contrôle (METALINE) du trafic sur le Boulevard Périphérique Sud. As /38/, **Arcueil, France**, June 30, 1988.
- /41/ 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.*)
- /42/ Modélisation et contrôle du Boulevard Périphérique de Paris. Second Congrès Technique de l'ATEC, **Paris, France**, November 15 - 17, 1988.
- /43/ 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.
- /44/ Modélisation dynamique, guidage et affectation dans des réseaux routiers. As /38/, **Arcueil, France**, July 24, 1989.
- /45/ 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.
- /46/ Kanalnetzsteuerung (Sewer Network Control) (**invited talk**). 29. Darmstaedter Wasserbauliches Kolloquium 1989, Technische Hochschule Darmstadt, **Darmstadt, W. Germany**, November 23 - 24, 1989.
- /47/ 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.
- /48/ Dynamische Modellierung, Umlegung und Wegweisung in Verkehrsnetzen (Dynamic Modelling, Assignment and Route Guidance in Traffic Networks). As /1/, **Munich, W. Germany**, December 5, 1989.
- /49/ 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.
- /50/ Modern Control Systems for Urban Traffic (**invited talk**) (in greek). Athens '96: Scientific Conference on Tomorrow's Technology, **Athens, Greece**, March 9 - 11, 1990.
- /51/ Optimale Steuerung der Fließvorgaenge in netzartigen Prozessen (Optimal flow control in networked processes) (**invited talk**). Technische Universitaet Hamburg-Harburg, **Hamburg, W. Germany**, March 19, 1990.
- /52/ Journée Spécialisée "Prévision du Trafic Interurbain", as /47/, **Arcueil, France**, March 29, 1990.*)
- /53/ METANET: A macroscopic simulation package for motorway networks. 8th DRIVE Concertation Meeting, Workshop on Simulation, **Paris, France**, April 2 - 3, 1990.
- /54/ Regelungstechnische Konzepte zur Wechselwegweisung in Autobahnnetzen Automatic Control Concepts for Route Guidance in Motorway Networks). LSR Kolloquium 1990, as /1/, **Munich, W. Germany**, April 27, 1990.
- /55/ 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.
- /56/ Workshop on Traffic Problems in ATM Communication Systems. Siemens- Zentrallaboratorium, **Munich, W. Germany**, July 20, 1990.*)
- /57/ 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.
- /58/ DRIVE: Overview, Organisation, and Expected Results (**invited talk**). Minnesota Department of Transportation, **St. Paul, Minnesota**, October 4, 1990.

- /59/ Modeling and control of freeway traffic (**invited talk**). Department of Civil and Mineral Engineering, University of Minnesota, **Minneapolis, Minnesota**, October 5, 1990.
- /60/ Optimal control of multidestination traffic networks. 29th IEEE Conference on Decision and Control, **Honolulu, Hawaii**, December 5 - 7, 1990.
- /61/ 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.
- /62/ 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.
- /63/ Motorway networks modelling and control. DRIVE Conference, **Brussels, Belgium**, February 4 - 6, 1991.
- /64/ Validation results of traffic flow modelling on linear motorways. DRIVE Conference, **Brussels, Belgium**, February 4 - 6, 1991.
- /65/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Christian-Albrechts-Universitaet Kiel, **Kiel, Germany**, March 18, 1991.
- /66/ METANET : A macroscopic simulation package for motorway networks. 13th DRIVE Concertation Meeting, Workshop on Motorway Traffic Simulation, **Brussels, Belgium**, April 24 - 25, 1991.
- /67/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Universitaet Kaiserslautern, **Kaiserslautern, Germany**, April 29, 1991.
- /68/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Universitaet Bielefeld, Technische Fakultaet, **Bielefeld, Germany**, May 3, 1991.
- /69/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Technische Universitaet Hamburg-Harburg, **Hamburg, Germany**, June 26, 1991.
- /70/ Traffic Modelling (**invited talk**). 7th EURO Summer Institute on Urban Traffic Management, **Cetraro, Italy**, June 21 - July 7, 1991.
- /71/ A stochastic control framework for moving vehicles in changing environments. IFAC Symposium on Robot Control, **Vienna, Austria**, September 16 - 18, 1991.
- /72/ Traffic Modelling and Control (**invited talk**). Giornate di Studio sui Trasporti, Università degli studi di Reggio Calabria, **Reggio Calabria, Italy**, October 10 - 11, 1991.
- /73/ Stochastische optimale Regelung mobiler Objekte in dynamischer Umgebung (Stochastic optimal control of mobile objects in a dynamic environment) (**invited talk**). Ruhr-Universitaet Bochum, **Bochum, Germany**, October 14, 1991.
- /74/ 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.
- /75/ Journée Spécialisée "Systèmes de Détection d'Incidents sur Autoroute", INRETS, **Arcueil, France**, December 5, 1991.*)
- /76/ 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.
- /77/ 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.
- /78/ 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.

- /79/ 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.
- /80/ Motorway network control via Nonlinear Optimization. 1st Meeting of the EURO Working Group on Urban Traffic and Transportation, **Landshut, Germany**, October 1-3, 1992.
- /81/ 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.
- /82/ 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.
- /83/ 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.
- /84/ 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.
- /85/ Modern traffic control systems for urban areas (in greek). Technological Educational Institute of Athens, **Athens, Greece**, December 11, 1992.
- /86/ Automatic control methods applied to motorway network traffic (**invited talk**). Department of Electrical Engineering, Eindhoven University of Technology, **Eindhoven, The Netherlands**, January 12, 1993.
- /87/ Field assessment of ramp metering impact on urban corridor traffic. Advanced Transport Telematics - Technical Days, **Brussels, Belgium**, March 8 - 10, 1993.
- /88/ Motorway traffic modelling and control (**invited talk**). Simposium sobre Ingeniería de los Transportes, **Sevilla, Spain**, March 24 - 26, 1993.
- /89/ IVHS Mini-Symposium. IEEE Boston Section, **Waltham, Massachusetts**, April 3, 1993.*)
- /90/ Automatic control methods applied to freeway network traffic (**invited talk**). Centre de Recherche sur les Transports, Université de Montréal, **Montréal, Canada**, April 8, 1993.
- /91/ A neural network approach to freeway network traffic control (**invited talk**). Electrical Engineering Seminar, University of Massachusetts Lowell, **Lowell, Massachusetts**, April 13, 1993.
- /92/ 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.
- /93/ 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.
- /94/ A neural network approach to freeway network traffic control (**invited talk**). Institute of Transportation Studies, University of California, **Irvine, California**, June 9, 1993.
- /95/ Optimal routing in packet-switched wide area networks (**invited talk**). Communication Sciences Institute, University of Southern California, **Los Angeles, California**, June 10, 1993.
- /96/ Modeling and control of traffic flow: an introduction (**invited talk**). 3M, Hardgoods and Electronics Support Division Laboratory, **St. Paul, Minnesota**, June 21, 1993.
- /97/ Automatic control methods applied to freeway network traffic (**invited talk**). Center for Transportation Studies, University of Minnesota, **Minneapolis, Minnesota**, June 25, 1993.
- /98/ Real-time optimal control of moving vehicles in changing environments. 12th IFAC World Congress, **Sydney, Australia**, July 18 - 23, 1993.

- /99/ Automatic control methods applied to freeway network traffic. 12th IFAC World Congress, **Sydney, Australia**, July 18 - 23, 1993.
- /100/ Short course "Traffic Flow Modeling and Control". Department of Electrical Engineering and Computer Sciences, University of California, **Berkeley, California**, August 18 - 20, 1993.
- /101/ Optimal routing in packet-switched wide area networks (**invited talk**). School of Engineering, Santa Clara University, **Santa Clara, California**, August 24, 1993.
- /102/ Automatic control methods applied to freeway network traffic (**invited talk**). University of Michigan, **Ann Arbor, Michigan**, September 16, 1993.
- /103/ 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 29 - December 1, 1993.
- /104/ Affectation dynamique: Problèmes et méthodes. Institut National de Recherche sur les Transports et leur Sécurité (INRETS), **Arcueil, France**, December 16, 1993.
- /105/ Highway traffic modelling (**invited talk**). Incontro di studio su Supervisione e Controllo del Traffico Autostradale, Università di Genova, **Genova, Italy**, April 21 - 22, 1994.
- /106/ High Performance Computing for Transportation networks (**invited talk**). European Information Technology Conference, **Brussels, Belgium**, June 6-8, 1994.
- /107/ 2nd IEEE Mediterranean Symposium on New Directions in Control & Automation, **Chania, Greece**, June 19-22, 1994*).
- /108/ METACOR : A macroscopic modelling tool for urban corridors (**invited participation**). TRISTAN II (Triennial Symposium on Transportation Analysis), **Capri, Italy**, June 23-28, 1994.
- /109/ Ramp metering impact on urban corridor traffic. 7th IFAC/IFORS Symposium on Transportation Systems, **Tianjin, China**, August 24-26, 1994.
- /110/ A neural network approach to freeway network traffic control. 7th IFAC/IFORS Symposium on Transportation Systems, **Tianjin, China**, August 24-26, 1994.
- /111/ Optimal freeway network control via route recommendation. IEEE Vehicle Navigation & Information Systems Conference, **Yokohama, Japan**, August 31-September 2, 1994.
- /112/ 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.
- /113/ Pannel Discussion (**invited contribution**). Telematics and Transport Meeting, Hellenic Institute of Transportation Engineers, **Athens, Greece**, January 30, 1995.
- /114/ 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.
- /115/ 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.
- /116/ 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.
- /117/ A low cost tool for freeway ramp metering. 4th IFAC Symposium on Low Cost Automation, **Buenos Aires, Argentina**, September 13-15, 1995.
- /118/ 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.
- /119/ Mehrschichtensteuerung der Abflüßvorgänge in Abwassernetzen. Abwasserverband Obere Iller, **Sonthofen, Germany**, February 9, 1996.

- /120/ Zentrale Optimierung der Abflußvorgänge in Abwassernetzen. Abwasserverband Obere Iller, **Sonthofen, Germany**, February 9, 1996.
- /121/ Automatic VMS control concepts. Hague Consulting Group, **The Hague, The Netherlands**, April 5, 1996.
- /122/ Modelling and control of traffic flow (in greek). Technical University of Crete, **Chania, Greece**, May 29, 1996.
- /123/ Technologie avanzate per i trasporti (**invited talk**). II^o Giornate Mediterranee '96, Universita degli Studi di Reggio Calabria, **Reggio di Calabria, Italy**, June 28-30, 1996.
- /124/ Dynamic traffic assignment. Californian PATH, Univ. of California, **Berkeley, California**, August 26, 1996.
- /125/ Ramp metering algorithms and implementations. Californian PATH, Univ. of California, **Berkeley, California**, August 26, 1996.
- /126/ Traffic flow simulation. Californian PATH, Univ. of California, **Berkeley, California**, August 30, 1996.
- /127/ Ramp Metering: Integration Issues. 3rd Concertation Meeting of Transport Telematics, European Commission, **Brussels, Belgium**, September 30-October 1, 1996.
- /128/ 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.
- /129/ ALINEA local ramp metering: summary of field results. 76th Annual Meeting of the Transportation Research Board, **Washington, D.C., U.S.A.**, January 12-16, 1997.
- /130/ 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.
- /131/ Αυτόματος Έλεγχος και Βελτιστοποίηση σαν Εργαλεία Ευφών 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.
- /132/ Ανάπτυξη και υλοποίηση συστήματος πληροφόρησης και οδικής καθοδήγησης στο αστικό δίκτυο του Άαλμποργκ Δανίας (Development and implementation of a route information and guidance system in the urban network of Aalborg, Denmark). As /131/, **Chania, Greece**, April 10, 1997.
- /133/ 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). As /131/, **Chania, Greece**, April 10, 1997.
- /134/ Ανασκόπηση πρακτικών εφαρμογών της τοπικής στρατηγικής ελέγχου εισόδου αυτοκινητοδρόμων ALINEA (Overview of implementations of the local ramp metering strategy ALINEA). As /131/, **Chania, Greece**, April 10, 1997.
- /135/ Έλεγχος ροών σε μεικτά αποχετευτικά δίκτυα (Flow control in combined sewer networks). As /131/, **Chania, Greece**, April 10, 1997.
- /136/ Fuel minimisation for ship weather routeing. 8th IFAC/IFIP/IFORS Symposium on Transportation Systems, **Chania, Greece**, June 16-18, 1997.
- /137/ Automatic control of VMS in the interurban Scottish highway network. 8th IFAC/IFIP/IFORS Symposium on Transportation Systems, **Chania, Greece**, June 16-18, 1997.
- /138/ Motorway-to-motorway control: Results of a simulation study. 8th IFAC/IFIP/IFORS Symposium on Transportation Systems, **Chania, Greece**, June 16-18, 1997.
- /139/ 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.
- /140/ Optimal control as a source of intelligent behaviour. IEEE Intern. Symposium on Intelligent Control, **Istanbul, Turkey**, July 16-18, 1997.

- /141/ 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.
- /142/ Real-time information and guidance systems in traffic networks: Two European implementations. Center for Transport Studies, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, September 12, 1997.
- /143/ 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.
- /144/ 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.
- /145/ Information and guidance systems in traffic networks: Two European implementations (**invited talk**). As /144/, **Austin, Texas**, November 25, 1997.
- /146/ Ramp metering: Overview of methods and some field results. Department of Electrical Engineering and Computer Sciences, University of California at Berkeley, **Berkeley, California**, December 4, 1997.
- /147/ Traffic signal control: Overview of methods. As /146/, **Berkeley, California**, December 5, 1997.
- /148/ Automatic control approaches to route guidance in traffic networks (**invited talk**). Electrical Engineering Department, University of California, **Los Angeles, California**, January 14, 1998.
- /149/ 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.
- /150/ 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.
- /151/ Store-and-forward based approaches to traffic signal control. As /146/, **Berkeley, California**, January 26, 1998.
- /152/ Automatic control approaches to route guidance in traffic networks. As /146/, **Berkeley, California**, January 28, 1998.
- /153/ Real-time information and guidance systems in traffic networks: Two European implementations. Institute of Transportation Studies, University of California at Berkeley, **Berkeley, California**, January 30, 1998.
- /154/ 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.
- /155/ 2nd Open TABASCO Conference, **Glasgow, U.K.**, 23-24 February 1998. *)
- /156/ Stratégies coordonnées de contrôle d'accès sur un axe autoroutier (**invited talk**). SIER (Service Interdépartemental d'Exploitation Routière), **Paris, France**, 6 March 1998.
- /157/ QUARTET PLUS Final Conference (**invited participation**), **Toulouse, France**, 9 March 1998. *)
- /158/ 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.
- /159/ Nonlinear optimal flow control for sewer networks. 1998 American Control Conference, **Philadelphia, Pennsylvania**, June 24-26, 1998.
- /160/ Τηλεματική Μεταφορών (Transport Telematics). Πανελλήνια Συνδιάσκεψη Μεταφορών ΕΒ Επιμελητηρίου (Transportation Workshop of the Greek Chamber of Commerce and Industry), **Chania, Greece**, 11 July 1998.
- /161/ 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.
- /162/ 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.

- /163/ Applying integrated corridor control in Glasgow. 7th Transport Telematics Concertation Meeting, European Commission, **Brussels, Belgium**, September 15-16, 1998.
- /164/ Ramp metering: A valueable tool for efficient traffic management (**invited presentation**). 13th Annual POLIS-Conference, **Berlin, Germany**, November 18-20, 1998.
- /165/ The IN-TUC integrated corridor control strategy and its application in Glasgow. SIEMENS Traffic Control Unit, **Munich, Germany**, 20 November 1998.
- /166/ CHANIASYN: Real-time urban traffic control development and implementation in the city of Chania. SIEMENS Traffic Control Unit, **Munich, Germany**, 20 November 1998.
- /167/ AMOC: A generic tool for integrated control of motorway traffic networks. DACCORD Workshop on Advanced Motorway Traffic Control, **Lancaster, United Kingdom**, 11 December 1998.
- /168/ 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.
- /169/ Tecnologie avanzate nel traffico marittimo (**invited talk**). III^e Giornate Mediteranee, Universita delgi Studi di Reggio Calabria, **Reggio Calabria, Italy**, 16-17 April 1999.
- /170/ Precorsi formativi per l'ingegneria dei trasporti (**invited participation**). L'Evoluzione dell' Ingegneria dei Trasporti: Contenuti, Sinergie, Mercato. Università delgi Studi di Napoli “Federico II”, **Napoli, Italy**, 20 April 1999.
- /171/ 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.
- /172/ Traffic-responsive urban network control using multivariable regulators. Intern. Conference on Modeling and Management in Transportation, **Poznan & Cracow, Poland**, 12-16 October 1999.
- /173/ 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.
- /174/ 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.
- /175/ 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.
- /176/ Αναδραστικές στρατηγικές οδικής καθοδήγησης σε πυκνά δίκτυα (Feedback route guidance strategies for dense networks). As /175/, **Chania, Greece**, April 19-20, 2000.
- /177/ 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.
- /178/ 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.
- /179/ Nonlinear optimal control applied to coordinated ramp metering. 11th IFAC Workshop on Control Applications of Optimization, **Saint-Petersburg, Russia**, July 3-6, 2000.
- /180/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Operations Research Seminar Series, Massachusetts Institute of Technology, **Cambridge, Massachusetts**, 28 September 2000.
- /181/ Freeway ramp metering: An overview (**invited plenary talk**). 3rd IEEE Intern. Conference on Intelligent Transportation Systems, **Dearborn, Michigan**, October 1-3, 2000.

- /182/ Simulation investigations of the traffic-responsive urban control strategy TUC. 3rd IEEE Intern. Conference on Intelligent Transportation Systems, **Dearborn, Michigan**, October 1-3, 2000.
- /183/ Panel Discussion on Traffic Flow Management and Control (**invited participation**). 3rd IEEE Intern. Conference on Intelligent Transportation Systems, **Dearborn, Michigan**, October 1-3, 2000.
- /184/ 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.
- /185/ 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.
- /186/ 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.
- /187/ Freeway ramp metering: An overview (**invited talk**). Institute for Transportation Systems, The City College of New York, **New York**, 20 November 2000.
- /188/ 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.
- /189/ 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.
- /190/ Optimal coordinated ramp metering with AMOC. 80th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 7-11, 2001.
- /191/ 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.
- /192/ Can ubiquitous ramp metering eliminate freeway congestion? (**invited talk**). Department of Mechanical Engineering, University of California at Berkeley, **Berkeley, California**, 26 January 2001.
- /193/ Feedback approaches to dynamic traffic assignment and route guidance (**invited talk**). Systems and Industrial Engineering Seminar, University of Arizona, **Tucson, Arizona**, 29 January 2001.
- /194/ 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.
- /195/ 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.
- /196/ 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.
- /197/ Feedback approaches to dynamic traffic assignment and route guidance. Center for Transport Studies, Imperial College of Science, Technology, and Medicine, **London, U.K.**, 18 May 2001.
- /198/ 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.
- /199/ Can ubiquitous ramp metering eliminate freeway congestion? (**invited plenary presentation**). 2nd National Conference on Information Technology and Spatial Planning (input 2001), **Tremi Islands, Italy**, June 27-29, 2001.
- /200/ 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
- /201/ TUC and the SMART NETS project. 4th IEEE Conference on Intelligent Transportation Systems, **Oakland, California**, August 25-29, 2001.
- /202/ Efficiency versus fairness in network-wide ramp metering. 4th IEEE Conference on Intelligent Transportation Systems, **Oakland, California**, August 25-29, 2001.

- /203/ ALINEA local ramp metering: Summary of field results (**invited talk**). Caltrans (California Department of Transportation), **Los Angeles, California**, 30 August 2001.
- /204/ Feedback and iterative routing strategies for freeway networks. 2001 IEEE Intern. Conference on Control Applications, **Mexico City, Mexico**, September 5-7, 2001.
- /205/ Rolling-horizon optimal control of sewer networks. 2001 IEEE Intern. Conference on Control Applications, **Mexico City, Mexico**, September 5-7, 2001.
- /206/ 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 Amaroussion, Meeting for the European Day “In the city without my car”), **Αμαρούσιο**, 20 September 2001.
- /207/ Dynamic Traffic Flow Modelling and Control (**invited 2-day Short Course**). DHV, **Amersfoort, The Netherlands**, 11-12 October 2001.
- /208/ Βελτιστοποίηση οδικών μεταφορών (**προσκεκλημένη διάλεξη**) (Optimisation of road transportation - **invited talk**). 1^ο 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.
- /209/ TUC: Basic Notions. 1st User Board Meeting of the SMART NETS Project, Southampton City Council, **Southampton, U.K.**, 12 November 2001.
- /210/ 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.
- /211/ Feedback approaches to dynamic traffic assignment and route guidance. Transportation Research Institute, Technion Israel Institute of Technology, **Haifa, Israel**, 11 December 2001.
- /212/ Στρατηγική συντονισμένου ελέγχου αστικής κυκλοφορίας σε πραγματικό χρόνο TUC: Μεθοδολογία και εφαρμογές (Co-ordinated, traffic-responsive urban control strategy TUC: Methodology and applications). 1^ο Διεθνές Συνέδριο για την Έρευνα στις Μεταφορές στην Ελλάδα (1st Intern. Congress on Transportation Research in Greece), **Αθήνα**, 21-22 February 2002.
- /213/ 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 Amaroussion - A pilot in local transport systems”, Municipal Corporation for Traffic), **Αμαρούσιο**, 11 Απριλίου 2002.
- /214/ Can ubiquitous ramp metering eliminate motorway congestion? Centre for Transport Studies, Imperial College of Science, Technology, and Medicine, **London, U.K.**, 19 April 2002.
- /215/ A predictive feedback routing control strategy for freeway network traffic. 2002 American Control Conference, **Anchorage, Alaska**, May 8-10, 2002.
- /216/ 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.
- /217/ 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.
- /218/ 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.
- /219/ Netzweite Signalsteuerungsstrategie TUC und Anwendungen (**invited talk**). Institute of Automatic Control Engineering, Technical University of Munich, **Munich, Germany**, 28 June 2002.

- /220/ Performance evaluation of predictive feedback routing for freeway networks. 15th IFAC World Congress, **Barcelona, Spain**, 21-26 July 2002.
- /221/ 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.
- /222/ A series of new isolated ramp metering strategies (**invited talk**). Ville de Paris, Seminaire INRETS “Modèles de Trafic,” **Paris, France**, 11 September 2002.
- /223/ 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.
- /224/ Netzweite Signalsteuerungsstrategie TUC und Anwendungen (**invited talk**). Faculty of Traffic Sciences “Friedrich List”, Dresden University of Technology, **Dresden, Germany**, 2 December 2002.
- /225/ 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.
- /226/ 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, **Washington, D.C.**, January 12, 2003.
- /227/ Extensions and new applications of the traffic signal control strategy TUC. 82nd Annual Meeting of the Transportation Research Board, **Washington, D.C.**, January 12-16, 2003.
- /228/ A series of new local ramp metering strategies. 82nd Annual Meeting of the Transportation Research Board, **Washington, D.C.**, January 12-16, 2003.
- /229/ A predictive feedback routing control strategy for freeway network traffic. 82nd Annual Meeting of the Transportation Research Board, **Washington, D.C.**, January 12-16, 2003.
- /230/ **Invited participation** to the 3rd VOYAGER Expert Workgroup Meeting, **Bristol, UK**, 3-4 April, 2003.
- /231/ RENNAISSANCE: A real-time motorway network traffic surveillance tool. Workshop on Traffic Modeling: Trends and Challenges, **Sitges, Spain**, June 2-4, 2003.
- /232/ Background and recent advances of traffic signal control systems (**invited talk**). NTA-Metropolitan Mass Transit system, **Tel Aviv, Israel**, June 18, 2003.
- /233/ Dynamic Traffic Flow Modelling and Control (**invited 5-day Short Course**). Università degli Studi di Napoli “Federico II”, **Naples, Italy**, 23-27 June 2003.
- /234/ Motorway traffic state estimation based on Extended Kalman Filter. European Control Conference ECC ’03, **Cambridge, UK**, 1-4 September 2003.
- /235/ Linear-quadratic regulators applied to sewer network flow control. European Control Conference ECC ’03, **Cambridge, UK**, 1-4 September 2003.
- /236/ Chaos may be an optimal plan. European Control Conference ECC ’03, **Cambridge, UK**, 1-4 September 2003.
- /237/ TUC outline and lessons learnt. 3rd User Board Meeting of the SMART NETS Project, GEVAS software, **Munich, Germany**, 19 September 2003.
- /238/ Model-based surveillance of motorway network traffic (**invited talk**). Workshop on Traffic and Granular Flow, **Delft, The Netherlands**, 1-3 October 2003.
- /239/ An introduction to signal traffic control strategy TUC. 18th Annual POLIS Conference, **Cologne, Germany**, 4-5 December 2003.
- /240/ 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.

- /241/ 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.
- /242/ European IST-Transport research: A brief overview and some achievements (**invited talk**). EuroIndia2004 Conference, **New Delhi, India**, 24-26 March 2004.
- /243/ 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.
- /244/ 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.
- /245/ Overview of road traffic control strategies (**invited talk**). ITS Centre, Department of Civil Engineering, University of Toronto, **Toronto, Canada**, 12 May 2004.
- /246/ Recent advances in traffic flow modeling and control (**invited talk**). ITS Centre, Department of Civil Engineering, University of Toronto, **Toronto, Canada**, 12 May 2004.
- /247/ 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.
- /248/ Hierarchical nonlinear model-predictive ramp metering control for freeway networks. TRISTAN V (Triennial Symposium on Transportation Analysis), **Le Gosier, Guadeloupe**, June 13-18, 2004.
- /249/ 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.
- /250/ 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.
- /251/ 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.
- /252/ 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.
- /253/ EURAMP: The European FP6 project for ramp metering. 1st EURAMP User Group Meeting, **Munich, Germany**, 3 November 2004.
- /254/ Overview of road traffic control strategies (**invited plenary presentation**). XVIII ANPET Congresso de Pesquisa e Ensino em Transportes, **Florianópolis, Brasil**, 8-12 November 2004.
- /255/ 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.
- /256/ 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.
- /257/ 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.
- /258/ 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.
- /259/ 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.

- /260/ A hierarchical ramp metering control scheme for freeway networks. 2005 American Control Conference, **Portland, Oregon**, June 8-10, 2005.
- /261/ Real-time route guidance in large-scale urban express ring-roads. 16th IFAC World Congress, **Prague, Czech Republic**, July 3-8, 2005.
- /262/ 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.
- /263/ Holt-Winters and neural-network methods for medium-term sales forecasting. 16th IFAC World Congress, **Prague, Czech Republic**, July 3-8, 2005.
- /264/ 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.
- /265/ 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.
- /266/ Real-time freeway network traffic surveillance tool RENAISSANCE. Centre for Transport Studies, Imperial College of Science, Technology, and Medicine, **London, U.K.**, 16 December 2005.
- /267/ 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.
- /268/ 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.
- /269/ 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.
- /270/ 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.
- /271/ 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.
- /272/ 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.
- /273/ 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.
- /274/ 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.
- /275/ Review of road and motorway traffic control strategies (**invited keynote presentation**). 3rd Intern. Congress on Traffic and Road Safety, **Ankara, Turkey**, 17-19 May 2006.
- /276/ 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.
- /277/ 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.
- /278/ 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.

- /279/ Optimal coordinated ramp metering for freeway networks. 21st European Conference on Operational Research (EURO XXI), **Reykjavik, Iceland**, July 2-5, 2006.
- /280/ 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.
- /281/ 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.
- /282/ 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.
- /283/ The role of Automatic Control in Intelligent Transportation Systems (**invited opening keynote presentation**). IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /284/ Real-time route guidance for large-scale express ring-roads. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /285/ A ramp queue length estimation algorithm. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /286/ Local ramp metering in the case of distant downstream bottlenecks. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /287/ RENAISSANCE: A real-time freeway network traffic surveillance tool. IEEE Conference on Intelligent Transportation Systems, **Toronto, Canada**, September 17-20, 2006.
- /288/ Ramp metering: What it can and cannot do (**invited talk**). VicRoads – Department of Traffic and Transport Integration, **Melbourne, Australia**, 5 December 2006.
- /289/ Ramp metering: What it can and cannot do (**invited talk**). VicRoads – Department of Infrastructure, **Melbourne, Australia**, 6 December 2006.
- /290/ Ramp metering: What it can and cannot do (**invited talk**). Australian Road Research Board, **Melbourne, Australia**, 7 December 2006.
- /291/ Real-time motorway network traffic surveillance tool RENAISSANCE (**invited talk**). Ethekwini Transport Authority, **Durban, South Africa**, 4 March 2007.
- /292/ Ramp Metering: What it can and cannot do (**invited talk**). Ethekwini Transport Authority, **Durban, South Africa**, 5 March 2007.
- /293/ 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.
- /294/ 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.
- /295/ Ramp Metering: What it can and cannot do (**invited talk**). EURAMP Workshop, **Paris, France**, 22 March 2007.
- /296/ Transumo Congress 2007 “Towards Sustainable Mobility On the Basis of Sustainable Knowledge Development” (**invited participation**), **Almere, The Netherlands**, 7 June 2007. *)
- /297/ Motorway traffic surveillance and control (**invited Mini-Tutorial Lead Presentation**). European Control Conference 2007, **Kos, Greece**, 3-5 July 2007.
- /298/ Introduction to the Panel Discussion on Motorway Traffic Surveillance and Control. European Control Conference 2007, **Kos, Greece**, 3-5 July 2007.
- /299/ 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.

- /300/ 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.
- /301/ 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.
- /302/ 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.
- /303/ Real-time toll plaza management for throughput maximization. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.
- /304/ Real-time workzone management for throughput maximization. 87th Annual Meeting of the Transportation Research Board (TRB), **Washington, D.C.**, January 13-17, 2008.
- /305/ 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.
- /306/ 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.
- /307/ 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.
- /308/ 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.
- /309/ Ramp metering highlights and the HERO installation in Melbourne (**invited talk**). VicRoads – Department of Infrastructure, **Melbourne, Australia**, 7 May 2008.
- /310/ Ramp metering highlights and the HERO installation in Melbourne (**invited talk**). Australian Institute of Traffic Planning and Management, **Melbourne, Australia**, 7 May 2008.
- /311/ 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.
- /312/ 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.
- /313/ 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.
- /314/ Adaptive control design based on adaptive optimization principles. 17th IFAC World Congress, **Seoul, Korea**, July 6-11, 2008.
- /315/ An adaptive optimization scheme with satisfactory transient performance. 17th IFAC World Congress, **Seoul, Korea**, July 6-11, 2008.
- /316/ Integrated ramp metering and variable speed limit control of motorway traffic flow. 17th IFAC World Congress, **Seoul, Korea**, July 6-11, 2008.
- /317/ 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.
- /318/ 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.
- /319/ 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.

- /320/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited plenary keynote speech**). 11th Intern. IEEE Conference on Intelligent Transportation Systems (IEEE ITSC'08), **Beijing, China**, October 14, 2008.
- /321/ Optimal mainstream traffic flow control of large-scale motorway networks (**invited talk**). Department of Traffic Engineering, Beijing Jiaotong University, **Beijing, China**, 16 October 2008.
- /322/ 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.
- /323/ 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.

Chania, 3 March 2009