INRETS

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Transport and Air Pollution

proceedings of the
10th International Symposium

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Walter F. Dabberdt, Editor

2001

Foreword

The 10th International Symposium on Transport and Air Pollution (TAP) was to have been held September 17-19, 2001, at the National Center for Atmospheric Research (NCAR) in Boulder, Colorado USA. The meeting was cancelled as a consequence of the terrorist atrocities of September 11, 2001, in New York, Virginia, and Pennsylvania, and the subsequent impact on commercial transport. But while the meeting did not take place in the traditional sense, its contributions to science and society remain and they are embodied in the papers contained within these proceedings.

NCAR, the French National Institute for Transport and Safety Research (INRETS), and the Graz University of Technology jointly organized the symposium. Following meetings held since 1986 in Avignon, France and Graz, Austria, the 10th TAP Symposium was aimed at assessing scientific knowledge in the field of air pollution due to mobile emissions from transportation systems. All transport modes were considered (road, rail, air and sea), as well as the effects of air pollution on the environment (health effects, dispersion, acid rain, greenhouse effect, etc.). The presentations prepared for the 10th TAP Symposium considered all of these aspects, but focused particular attention on issues relating to mobile emissions, atmospheric transport and diffusion, air chemistry, and integrated air quality modeling. All modes of investigation and analysis were considered: theoretical, empirical, numerical modeling, and measurements.

The Scientific Committee comprised 14 scientists from nine countries; its principle responsibility was to ensure the high quality of the presentations and their consistency with the objectives of the TAP Symposia. The committee included the following:

Matthew Barth, U. California - Riverside, USA

Peter J.H. Builtjes, TNO, The Netherlands

Walter F. Dabberdt, Vaisala, USA

Asif Faiz, The World Bank, Nepal

Graciela Raga, U. Nacional Autonoma de Mexico

Jake Hales, ENVAIR, USA

Ray P. Hosker, NOAA/ATDD, USA

Robert Joumard, INRETS, France

Sasha Madronich, NCAR, USA

Zissis Samaras, Aristotle U. Thessaloniki, Greece

Michael Schorling, Schorling & Partner, Germany

Ake Sjodin, IVL Swedish Environmental Research Institute

Peter Sturm, Graz U. of Technology, Austria

Jeffrey Weil, CIRES/U. Colorado, USA

Special acknowledgement and appreciation are given to the Symposium's two coordinators and administrators:

Sandra J. Petrie, NCAR, USA

Ana Salazar, Vaisala, USA

Their tireless attention to detail was instrumental in planning and organizing the 10th TAP Symposium, and to the production of these proceedings.

As you read the manuscripts describing the results and challenges of cutting-edge research and applications studies from noted experts around the world, I believe you will concur that these papers demonstrate that the 10th TAP Symposium achieved its stated objectives. But these proceedings also demonstrate that while the world community has achieved much in understanding and controlling air pollution from mobile sources, the proceedings are also a reminder that much remains to be done.

Walter F. Dabberdt
Symposium Chair
Boulder, Colorado USA
September 2001

Oral Presentations

page

SESSION 1: Selected Dimensions of the Transport Problem

1.1 REDUCING EMISSIONS FROM TWO-STROKE ENGINE VEHICLES IN SOUTH ASIA: TECHNICAL AND POLICY OPTIONS. Asif Faiz, World Bank, Katmandu, Nepal; and S. Gautam and K. M. Gwilliam 1

1.2 THE REAL AIR QUALITY BENEFITS OF GASEOUS-FUELED VEHICLES. Christopher L. Saricks, Center for Transportation Research, Argonne National Laboratory, Argonne, IL, USA 9

1.3 MODELING AIR TOXICS AND $PM_{2.5}$ CONCENTRATION FIELDS AS A MEANS FOR FACILITATING HUMAN EXPOSURE ASSESSMENTS. Jason Ching, Atmospheric Sciences Modeling Division, NOAA/ARL. Research Triangle Park, NC, USA; and A. Lacser, T. Otte, D. Byun and J. Herwehe 17

SESSION 2: Emissions (1)

2.1 TRENDS IN AUTOMOTIVE EMISSIONS AT EUROPEAN SCALE: LESSONS FROM THE AUTO OIL PROGRAMMES. Zissis Samaras, Department of Mechanical Engineering, Aristotle University, Thessaloniki, Greece; and L. White and P. Tourlou 25

2.2 CHARACTERIZATION OF HEAVY-DUTY VEHICLE EXHAUST IN DENSE URBAN ENVIRONMENTS. Joanne H. Shorter, Aerodyne Research Inc., Billerica, MA, USA; and S. C. Herndon, M. S. Zahniser, D. D. Nelson, J. J. Jayne, and C. E. Kolb 33

2.3 AUTOMOBILE POLLUTION: PUBLIC INFORMATION AND EMISSIONS INVENTORY COMBINED. Donald H. Stedman, Department of Chemistry and Biochemistry, University of Denver, Denver, CO, USA; and G. A. Bishop, S. S. Pokharel and L. Hagg-Nelson 41

TABLE OF CONTENTS

10th International Symposium "Transport and Air Pollution"

SESSION 3: Mirage

3.1 THE EVOLUTION OF OZONE DOWNWIND OF POLLUTION SOURCES: SIMPLE RE-PARTITIONING OR RE-INFLATION OF OXIDANT CHEMISTRY? Sasha Madronich, National Center for Atmospheric Research, Boulder, CO, USA; and S. Rivale and B. Williams **49**

3.2 OZONE PRODUCTION IN URBAN PLUMES. Lawrence Kleinman, Atmospheric Sciences Division, Brookhaven National Laboratory, Upton, NY, USA **55**

3.3 THE TRANSPORT AND DILUTION OF ANTHROPOGENIC POLLUTION PLUMES: AIRCRAFT OBSERVATIONS AND NUMERICAL RESULTS. Stuart McKeen, Aeronomy Laboratory, NOAA, Boulder, CO and CIRES, University of Colorado, Boulder, CO, USA **61**

3.4 OBSERVATIONS OF URBAN/INDUSTRIAL AIR POLLUTION FROM SPACE. S. T. Massie, National Center for Atmospheric Research, Boulder, CO, USA; and J. C. Gille, D. P. Edwards, J.-F Lamarque, G. Francis, J. Warner, J. R. Drummond, R. Martin, K. Chance and D. Jacob **67**

3.5 LINKING URBAN AIR POLLUTION TO GLOBAL ATMOSPHERIC CHEMISTRY AND CLIMATE. Chien Wang, Joint Program for the Sciences and Policy of Global Change, Massachusetts Institute of Technology, Cambridge, MA, USA; and M. Mayer and R. G. Prinn **75**

SESSION 4: Emissions (2)

4.1 OBSERVED AND MODELED EMISSION FACTORS IN THREE URBAN TUNNELS. Ake Sjödin, Swedish Environmental Research Institute, Gothenburg, Sweden; and K. Andréasson, M. Ekström, J. Sternbeck, H. Wingfors, U. Hammarström, H. Cedersund, R. Karlsson **79**

4.2 CHARACTERIZING REAL UNIT EMISSIONS FOR LIGHT DUTY VEHICLES. Robert Joumard, INTETS, Bron cedex, France; and M. Andre, R. Vidon and P. Tassel **85**

4.3 COMPARISON OF METHANE, BENZENE AND ALKYL BENZENES COLD START EMISSION DATA OF EURO I AND EURO II THREE-WAY CATALYST PASSENGER CARS AND LIGHT DUTY VEHICLES FROM TIME-RESOLVED EXHAUST GAS ANALYSIS. Norbert V. Heeb, Swiss Federal Laboratories for Materials Testing and Research, EMPA Department of Organic Chemistry, Dübendorf, Switzerland; and A. Forss and P. Wilhelm **93**

Session 5: AQ Modeling and Measurements

5.1 INTEGRATED GAS/AEROSOL PHASE MODEL SYSTEM FOR AIR POLLUTION SIMULATION AND CONTROL IN NORTHERN ITALY. E. Decanini, Scuola Normale Superiore, Pisa, Italy; and M. Volta **101**

5.2 AIR POLLUTION MAPPING OVER A CITY – VIRTUAL STATIONS AND MORPHOLOGICAL INDICATORS. Anthony Ung, Groupe Télédétection & Modélisation, Ecole des Mines de Paris, Sophia Antipolis, FRANCE; and C. Weber, G. Perron, J. Hirsch, J. Kleinpeter, L. Wald, T. Ranchin **105**

5.3 AIR QUALITY MODELING IN URBAN REGIONS USING AN OPTIMAL RESOLUTION APPROACH (AURORA). Clemens Mensink, VITO, Centre for Remote Sensing and Atmospheric Processes, Mol, Belgium; and K. De Ridder, N. Lewyckyj, L. Delobbe, L. Kinnaer and L. Janssen **113**

5.4 ISOTOPES COMPOSITION OF PM_{10} IN THE ATMOSPHERE OF PARIS. David Widory, Laboratoire de Géochimie des Isotopes Stables, Paris, France **121**

Session 6: Integrated Modeling and Assessment

6.1 TRAFFIC MANAGEMENT ON BASIS OF COMPUTATIONS OF POLLUTIONAL LOADS. Michael Schorling, D-83620 Vagen, Kistlerweg 3, Germany; and B. Horsfield **129**

6.2 AN EMPIRICAL APPROACH TO DETERMINE THE RESPONSE OF NO_2 CONCENTRATIONS TO CHANGES IN ROAD TRAFFIC IN LONDON. David C. Carslaw, Environmental Research Group, King's College, London, UK; and S. D. Beevers **137**

TABLE OF CONTENTS

10th International Symposium "Transport and Air Pollution"

6.3 SENSITIVITY ANALYSIS OF TRAFFIC EMISSIONS OVER THE IBERIAN PENINSULA BY USING MM5-CMAQ AIR QUALITY MODELING SYSTEM: APPLICATION TO MADRID CASE STUDY. R. San Jose, Environmental Software and Modeling Group, Computer Science School, Technical University Of Madrid, Madrid, Spain; and J. L. Pérez, I. Salas, J. I. Peña, A. Martín and R. M. González **145**

6.4 ENERGY USE BY AND EMISSIONS FROM ELECTRIC PASSENGER TRAINS, DESCRIPTION AND RESULTS OF A WELL-TO-WHEEL MODEL. Robert M. M. Van Den Brink, National Institute of Public Health and the Environment, Bilthoven, The Netherlands **153**

Session 7: Emissions (3)

7.1 COLD START AND COLD AMBIENT EMISSIONS OF EURO II CARS. Martin F. Weilenmann, EMPA, Dubendorf, Switzerland **161**

7.2 DIESEL OR PETROL? AN ENVIRONMENTAL COMPARISON HAMPERED BY UNCERTAINTY. Luc Int Panis, Vito, Mol, Belgium; and A. Rabl, L. De Nocker and R. Torfs **169**

7.3 DIESEL PASSENGER CAR ENGINE TECHNOLOGY – IMPACT ON MASS, NUMBER AND EMISSION TRENDS OF SMALL PARTICLES. Christian Cozzarini, BMW AG Munich, Energy and Environment, Munich, Germany; and W. Mattes, N. Metz and G. Resch **177**

7.4 DESIGNING, IMPLEMENTING, AND EVALUATING TRAFFIC MANAGEMENT STRATEGIES TO IMPROVE AIR QUALITY IN SENSITIVE AREAS OF THE URBAN ENVIRONMENT. James E. Tate, Institute for Transport Studies, University of Leeds, UK; and M. C. Bell **185**

Session 8: Dispersion (1)

8.1 TURBULENCE AND DISPERSION MODELING NEAR HIGHWAYS. K. Shankar Rao, Atmospheric Turbulence and Diffusion Division, and Resources Laboratory, NOAA Oak Ridge, Tennessee, USA; and R. L Gunter **193**

8.2 DISPERSION OF POLLUTANTS NEAR A HIGHWAY TUNNEL EXIT – FIELD EXPERIMENTS AND NUMERICAL SIMULATION. P. J. Sturm, Institute for Internal Combustion Engines and Thermodynamics, Graz University of Technology, Graz, Austria; and D. Ottls, M. Bacher and R. A. Almbauer **201**

8.3 THE AUSTRALIAN AIR QUALITY FORECASTING SYSTEM: PREDICTING THE IMPACT OF MOTOR VEHICLE EMISSIONS. Martin Cope, CSIRO Atmospheric Research, AspendaleVictoria, Australia and CSIRO Energy Technology, North Ryde, NSW. Australia; and D Hess, S. Lee, P. Manins, K. Puri, K. Tory, N. Wong, J. Carras and B. Lilley **209**

Session 9: Dispersion (2)

9.1 THE INTEGRATION OF WIND-TUNNEL AND NUMERICAL MODELING TECHNIQUES TO EVALUATE THE POTENTIAL AIR QUALITY IMPACT OF VEHICLE EMISSIONS RESULTING FROM A PROPOSED AIRPORT TERMINAL EXPANSION PROJECT. Brad C. Cochran, Cermak Peterka Petersen, Inc, Fort Collins, CO, USA; and R. L. Petersen **217**

9.2 DEVELOPMENT OF AN IMAGE- AND CFD-BASED URBAN SCALE WIND FIELD AND DISPERSION SIMULATOR. William J. Coirier, CFD Research Corporation, Huntsville, AL, USA; and M. Furmanczyk and A. J. Przekwas **225**

9.3 LARGE-EDDY SIMULATION OF FLOW AND SCALAR DISPERSION INSIDE A STREET CANYON. Chun-Ho Liu, National Center for Atmospheric Research, Boulder, CO, USA **233**

POSTERS

Air Chemistry and Particulates

CONCENTRATION AND DISPERSION MODELING OF THE KILAUEA PLUME. Annette T. Baerman, University of Hawaii, Honolulu, HAWAII, USA; and S. Businger, R. Draxler, J. Porter and D. Stevens **241**

TABLE OF CONTENTS

10th International Symposium "Transport and Air Pollution"

PARAMETERISATION OF THE WET DEPOSITION PROCESS IN A MULIT-LAYER ATMOSPHERIC TRANSPORT MODEL. Nicolas Fournier, University of Edinburgh, UK; and K.J. Weston, M. A. Sutton and A. J. Dore **249**

OZONE TRANSPORT ASSESSMENTS WITHIN THE STATE OF CALIFORNIA. Steven C. Gouze, Air Resources Board, Sacramento, CA, USA **257**

SUBMICRON AEROSOL SIZE DISTRIBUTIONS AND GASEOUS POLLUTANTS AT PRAGUE-CENTRE INTERSECTION IN WINTER 2000-2001. R. Holub, Department of Physics, Colorado School of Mines, Golden, CO, USA; J. Hovorka and V. Klapstova **263**

PARTICULATE AIR QUALITY OVER EUROPE IN THE GROWING SEASON OF 1995 AND 2010 AS SIMULATED WITH THE MADE/EURAD MODEL. Arnold Niederau, AVISO, Aachen, GERMANY; and B. Schell, H. Hass, C. Kessler, I. Ackermann and C. Schneider **269**

CHEMICAL CHARACTERISTICS OF URBAN WET PRECIPITATION AT DELHI, INDIA. Suresh Tiwari, Rain and Cloud Physics Research Station (IITM), New Delhi, India; and P.S.P Rao and G. A. Momin **277**

PM_{10} PROJECTIONS TO SUPPORT THE DEVELOPMENT OF UK AIR QUALITY POLICY. John R. Stedman, AEA Technology Environment, UK; and T.P. Murrells **285**

Boundary Layer, Turbulence and Dispersion

AN ANALYSIS OF MEAN FLOW VECTORS WITHIN VEHICLE WAKES USING DATA FROM A TOWED ARRAY OF 3-D SONIC ANEMOMETERS. Laureen Gunter, NOAA/ATDD, Oak Ridge, TN; and J. White and R.P. Hosker **293**

PLANETARY BOUNDARY LAYER STRUCTURE OF THE PASO DEL NORTE AIRSHED: A NUMERICAL STUDY. Sang-Mi Lee, Arizona State University, Tempe, AZ, USA; and H.J.S. Fernando **301**

ON THE SIMULATION OF POLLUTANT DISPERSION **309**

UNDER LOW WIND SPEED CONDITIONS. Dietmar Oettl, Graz University of Technology, Austria; and R.A. Almbauer and P.J. Sturm

DISPERSION MODELING OF CROSS-BORDER AIR POLLUTION TRANSPORTATION IN THE EUROPEAN BLACK TRIANGLE. Vanisa Surapipith, University of East Anglia, Norwich, UK; and T.D. Davies and T.D. Jickells 317

EFFECTS OF WIND SHEAR ON MEDIUM- TO LONG-RANGE POLLUTION DISPERSION. Chris J. Walcek, Atmospheric Sciences Research Center, Albany, NEW YORK 325

PARAMETRIC MODELING OF VENTILATION AND DISPERSION FOR COVERED ROADWAYS. A.L. Brown, NCAR, Boulder, CO, USA; and W. Dabberdt 333

AQ Modeling

PERFORMANCE OF AN AIR QUALITY MODEL ACROSS A RANGE OF ENVIRONMENTAL CONDITIONS. Stephen F. Mueller, Tennessee Valley Authority, Muscle Shoals, AL, USA; and J.W. Boylan, A.G. Russell, M. T. Odman and J.G. Wilkinson 341

MEASUREMENTS AND COMPUTER SIMULATIONS OF ROADSIDE AIR POLLUTION. Yukimasa Tsubota, Keio Senior High School, Yokohama, Japan; and H. Kawashima 349

A SIMPLE SEMI-EMPIRICAL MODEL FOR PREDICTING CARBON MONOXIDE CONCENTRATIONS. Kim Dirks, The University of Auckland, Auckland, New Zealand; and M.D. Johns, A.P. Sturman and J.E. Hay 357

Emissions

EASTERN RANGE LAUNCH EMISSION FORECASTS. Billie F. Boyd, Patrick AFB, FL, USA; and D. E. Harms, K.A. Winters, P. N. Rosati, C.R. Parks and K.B. Overbeck 365

THE INFLUENCE OF CAR FLEET COMPOSITION ON URBAN POLLUTANT EMISSIONS. APPLICATION TO THE CITY OF MADRID. Jesus Casanova-Kindelan, Universidad Politecnica of Madrid, Madrid, Spain; and M.Valdes and J. Ariztegui 373

TABLE OF CONTENTS

10th International Symposium "Transport and Air Pollution"

TRANSPORT SHARE ON AIR POLLUTING EMISSIONS IN THE CZECH REPUBLIC. Jiri Dufek, Transport Research Centre, Czech Republic; and V. Adamec **381**

INNOVATIVE VEHICLES AND CO2 EMISSION REDUCTION IN PUBLIC TRANSPORT: A COMPARATIVE ANALYSIS USING ON-LINE MEASUREMENTS. Antonini Genovese, ENEA, Rome, Italy; and R. Ragona **389**

A STUDY OF THE PRESSURE AND ATMOSPHERIC TEMPERATURE INFLUENCE ON THE POLLUTION DEGREE OF THE DIRECT INJECTION DIESEL ENGINE. Danila Iorga, Politechnica University, Timisoara, Romania; and M. Chedli, N. Arina-Speranta and O. Daniel **397**

NON-THERMAL PLASMA ASSISTED DEGRADATION OF HYDROCARBONS IN AUTOMOTIVE EXHAUSTS. Milan Pospisil, Institute of Chemical Technology, Prague, Czech Republic; and I. Viden, S. Pekarek and M. Simek **405**

MODIFIED THERMODYNAMIC CYCLE FOR INTERNAL COMBUSTION ECO-ENGINE. Stefan Postrzednik, Silesian University of Technology, Gliwice, Poland; and Z. Zmudka **413**

EXPERIMENTATION OF HYBRID BUSES. Roberto Ragona, ENEA, Rome, Italy; and A. Genovese **421**

A METHODOLOGY FOR THE ESTIMATION OF TRANSPORT EMISSIONS IN URBAN AREAS OF ITALY. Salvatore Saija, ANPA, Rome, Italy; and D. Romano **431**

ACCURACY OF DETERMINATION OF POLLUTANTS IN EXHAUST GASES FROM SPARK-IGNITION ENGINES, Gustav Sebor, Institute of Chemical Technology, Prague, Czech Republic; and D. Maxa, M. Pospisil, J. Blazek, P. Simacek and Z. Fiedlerova **439**

CATALYST LIFE EXTENSION VIA INVERSE MOUNTING-ECE DRIVING TESTS. Charalampos Arapatsakos, Democritus University of Thrace, Xanthi, Greece; and P. Sparis **447**

VEHICULAR EMISSIONS OF VOLATILE ORGANIC COMPOUNDS DETERMINED IN TWO TUNNELS IN MEXICO CITY. E. Vega, Instituto Mexicano del Petróleo, Mexico; and V. Mugica, G. Sánchez, E. Reyes, J. Chow and J. Watson 455

AIR POLLUTING EMISSION ABATEMENT REGARDING DIESEL ENGINE. Zbigniew Zmudka, Silesian University of Technology, Gliwice, Poland; and S. Postrzednik and A. Ciesiolkiewicz 463

EVALUATING VEHICLE EMISSIONS INSPECTION AND MAINTENANCE PROGRAMS—A NATIONAL RESEARCH COUNCIL REPORT. K.John Holmes, Board on Environmental Studies and Toxicology, National Research Council, Washington, DC; and J. Biswas and R. Chari 471

Traffic and Transportation Strategy

THE APPLICATION OF GPS TRACKING TO LONDON'S VEHICLE FLEET. Sean Beevers, King's College London, London, England; and D. Carslaw 479

FUEL CELL BUS BERLIN, COPENHAGEN AND LISBON: A SUSTAINABLE AND ENVIRONMENTAL TECHNOLOGY FOR THE URBAN PASSENGER TRANSPORTATION SECTOR. Tiago L. Farias, Instituto Superior Técnico, Lisbon, Portugal 487

PARKING AND ENVIRONMENT. EFFECTS ON AIR QUALITY: STUDIES OF TRAFFIC RELATED AIR POLLUTION DEPENDING ON DIFFERENT LOCATION AND DESIGN OF PARKING ESTABLISHMENTS IN URBAN AREAS WITH REFERENCES TO MODEL DEVELOPMENT AND PILOT STUDIES IN STOCKHOLM, SWEDEN. Paul Höglund, Nordplan AB, Stockholm, Sweden 495

AIR POLLUTION DUE TO URBAN TRANSPORT AS EXPERIENCED IN ROMANIAN CITIES, Ioana Ionel, Politehnica University of Timisoara, ROMANIA, D. Marin, A. Ritivoiu, P. Lugojan, B. Ungureanu, D. Lelea and V.D. Negrea 503

TABLE OF CONTENTS

10th International Symposium "Transport and Air Pollution"

INTEGRATED SIMULATION OF TRAFFIC DEMAND, TRAFFIC FLOW, TRAFFIC EMISSIONS AND AIR QUALITY, Carsten Nagel, Voldswagen, Wolfburg, Germany; and H. Volkmar, P. Vortisch and S. Hausberger **511**

MODELING URBAN AIR POLLUTION BASED ON DYNAMIC TRAFFIC SIMULATION. M. Luberichs, University of Cologne,Cologne, Germany; and F.N. Sentuc, N. Eissfeldt, M. Kerschgens, B. Ebel and R. Schrader **519**

SATURATED TRAFFIC FLOWS: MONITORING, STOCHASTIC MODELING AND EVALUATION OF ENERGY CONSUMPTION. Marina Yashina, The Moscow State Automobile and Road Technical University, Moscow, Russia; and V.N. Lukanin, A.P. Buslaev and A.V. Novikov **527**

Climate and Environment

THE IMPORTANCE OF THE ROAD TRANSPORT SECTOR IN THE GLOBAL WARMING: THE CASE OF THE RIO DE JANIERO CITY. Suzana Kahn Ribeiro, Federal University of Rio de Janeiro, Brazil; and L. Mattos **535**

ISHTAR : INTEGRATED SOFTWARE FOR HEALTH, TRANSPORT EFFICIENCY AND ARTISTIC HERITAGE RECOVERY. Emanuele Negrenti, ENEA, Rome, ITALY **543**