



PROGRAM

**3rd International Symposium on
Air Quality Management at Urban, Regional and Global Scales
&
14th IUAPPA Regional Conference**

**26-30 September 2005
Mövenpick Hotel - Istanbul, Turkey**

**3rd International Symposium on
Air Quality Management at Urban, Regional and Global Scales
&
14th IUAPPA Regional Conference**

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organized by

**Turkish National Committee for
Air Pollution Research and Control (TUNCAP)
and
Korean Environmental Sciences Society (KENSS)**

in collaboration with

ITU – Istanbul Technical University

DEU – Dokuz Eylul University

IUAPPA - The International Union of Air Pollution Prevention and Environmental Protection Associations

TUBITAK – The Scientific and Technical Research Council of Turkey

EFCA - The European Federation of Clean Air and Environmental Protection Associations

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09:00-10:00	OPENING CEREMONY		
10:00-10:30	tea/coffee break		
10:30-12:00	PLENARY SESSION		
12:00-13:00	lunch		

		HALL A	HALL B	HALL C
MONDAY 26th September	13:00-14:40	Acid Rain – AR1	Aerosols –AE1	Assessment, Monitoring and Control - AMC1
	14:40-14:55	tea/coffee break		
	14:55-16:35	Air Pollution Impact to Climate Change-APCC2	Aerosols – AE2	Assessment, Monitoring and Control – AMC2
	16:35-17:00	refreshment		
	17:00-18:30	A SPECIAL SESSION “Towards International Cooperation on Hemispheric Pollution” by IUAPPA’S GLOBAL FORUM		
	19:30-22:00	Welcome Reception at Divan Kurucesme Restaurant		
TUESDAY 27th September	09:00-10:40	Urban and Rural Air Quality –URB1	Air Quality Modeling – MOD1	Assessment, Monitoring and Control – AMC3
	10:40-11:00	tea/coffee break		
	11:00-12:40	Urban and Rural Air Quality –URB2	Air Quality Modeling – MOD2	Toxic and Hazardous Pollutants – TOX1
	12:40-13:20	lunch		
	13:20-15:00	Urban and Rural Air Quality – URB3	Air Quality Modeling – MOD3	Toxic and Hazardous Pollutants – TOX2
	15:00-15:20	tea/coffee break		
WEDNESDAY 28th September	15:20-17:00	Urban and Rural Air Quality – URB4	Air Quality Modeling – MOD4	Toxic and Hazardous Pollutants – TOX3
	09:00-10:40	Traffic Emissions – TRF1	Air Quality Modeling – MOD5	Impacts on Forest and Vegetation – FOR1
	10:40-11:00	tea/coffee break		
	11:00-13:00	Traffic Emissions – TRF2	Air Quality Modeling – MOD6	Air Quality Management – AQM1
	13:00-14:00	lunch		
	13:00-15:00	POSTER SESSION		
THURSDAY 29th September	15:00-17:30	A SPECIAL SESSION “Shipping Emissions” by EFCA		
	18:30-22:30	Bosphorus Tour & Dinner on the Boat (excluded from the registration fee)		
	09:00-10:40	Regional Studies – REG1	Dust Storm Generation – DUST1	Air Quality Management – AQM2
FRIDAY 30th September	10:40-11:00	tea/coffee break		
	11:00-13:00	Regional Studies – REG2	Dust Storm Generation – DUST2	Odour Management – ODM1
	13:00-13:20	lunch		
	13.20-15:20	Ozone Problems – OZP1	Decision Support Systems – DEC1	Indoor Air Quality – IND1
	15.00-15.30	tea/coffee break		
	16:00-17:30	CLOSING CEREMONY		
FRIDAY 30th September	19:30-22:30	Conference Dinner at Florya Beyti Restaurant		
	09:00-13:00	A SPECIAL SESSION “Managing Transport and Air Quality in Istanbul and Other Mega-Cities” by IUAPPA		

Monday - 26 September 2005

09:00 Welcome Remarks by

Selahattin Incecik

Symposium Chair, Istanbul Technical University, Turkey

Hyo Choi

President of KENSS, Kangnung National University, Korea

Aysen Muezzinoglu

President of TUNCAP, Dokuz Eylul University, Turkey

Richard Mills

Director of IUAPPA

Hasan Zuhuri Sarıkaya

Undersecretary of Minister of Environment and Forestry

Muammer Güler

Governor of Istanbul

10:00 -10:30 Tea and Coffee Break

PLENARY SESSION

Chairperson: Ekrem Ekinci

10:30 PL1. Peter Brimblecombe, University of East Anglia, United Kingdom

Risks to cultural heritage the modern urban atmosphere

11:10 PL2. George Kallos, University of Athens, Greece

The status of regional scale modeling in Mediterranean- What we know and what we do not?

12:00-13:00 Lunch

Monday - 26 September 2005			
13.00-14.40	Hall A	Hall B	Hall C
	Session – AR1 ACID RAIN	Session – AE1 AEROSOLS	Session – AMC1 ASSESSMENT, MONITORING AND CONTROL
	Chairperson: Milton Speers	Chairperson: Didier Hauglustaine	Chairperson: Alan Gertler
13.00-13.20	AR1.1. M.Cackovic, K. Segal, V. Vadjic, I. Beslic Spatial and temporal variations of major acidic species in PM_{2.5} particle fraction in Zagreb air	AE 1.1. Katsumi Saitoh, Koichiro Sera and Tadashi Shirai Characterization of atmospheric aerosol particles in a mountainous region in Northern Japan	AMC 1.1. Andreas N. Skouloudis European legislation on air-quality and health; issues related with the city of Istanbul based on an inventory of emissions
13.20-13.40	AR 1.2. Ahmet Türküm, Hakan Pekey, Beyhan Pekey and Gürdal Tuncel Investigation of the relationship between aerosol and rainwater compositions at different locations in Turkey	AE 1.2. Monica Pantiru, Jutta Lintelmann, Georg Matuschek Determination of nitrogen-containing PAH's in aerosols by LC/MS/MS	AMC 1.2. Joana Monjardino, Francisco Ferreira, Sandra Mesquita, Ana Teresa Perez, Dilia Jardim, Paula Carreira Air quality monitoring – establishing criteria for stations classification
13.40-14.00	AR 1.3. Türkan Özsoy and Sermin Örnektekin Elemental composition of rainwater in Mersin, an urban site in the North Eastern Mediterranean	AE1.3. Vladimira Vadjic and Janko Hrsak Trends of lead in suspended particulate matter in Zagreb air	AMC 1.3. Andreas Klumpp, Marisa Domingos, Gabriele Klumpp, Jürgen Franzaring and Wolfgang Ansel Biomonitoring of urban and regional air quality in industrialised and developing countries-experiences and perspectives
14.00-14.20	AR 1.4. Nanda Senanayake, M.T.M.D.R. Perera and A.Weragoda Acid rains and rains causing acidity of soils in Sri Lanka	AE 1.4. Kostadin Ganev, Dimiter Yordanov and Nikolai Miloshev On the dry deposition of admixtures with gravity deposition	AMC 1.4. C.Tasco, S.Zampilloni, M.Mondino, G.Catenacci, R.Salvatori, I.Allegrini The design of an air pollution monitoring network: Roma Urban Area-Italy
14.20-14.40	AR 1.5. Ahmet Türküm, Beyhan Pekey, Hakan Pekey and Gürdal Tuncel Comparison of sources affecting chemical compositions of aerosol and rain water at three different locations in Turkey	AE 1.5. John Kuruvilla, Kim Myoungwoo and Martinez Alvaro Source apportionment of fine particulate matter in a semi-arid coastal urban area of South Texas	AMC 1.5. O.Ozden, T.Dogeroglu, S.Kara Assessment of ambient air quality in Eskişehir, Turkey
14.40-14.55	Tea and Coffee Break		

Monday - 26 September 2005			
14.55-16.35	Hall A	Hall B	Hall C
	Session – APCC2 AIR POLLUTION IMPACTS ON CLIMATE CHANGE	Session – AE2 AEROSOLS	Session – AMC2 ASSESSMENT, MONITORING AND CONTROL
	Chairperson: Mehmet Karaca	Chairperson: Gürdal Tuncel	Chairperson: Peter C. Chu
14.55-15.15	APCC2.1. Baerbel Langmann, Edvin Aldrian, Hans-F.Graf, Angelika Heil, Elina Marmar, Frank Nober and Melissa Pfeffer Indonesian smoke induced by drought events (INSIDE)	AE2.1. F.Ledoux, S.Bouhsina,L.Courcot, D.Courcot, G.Garçon, P. Shirali, A.Aboukais,E.Puskaric Atmospheric aerosols behaviour at an industrial area in Northern France	AMC2.1. C.Borrego,A.Monteiro,J.Ferreira, A.I.Miranda,A.M.Costa,M.Sousa. Modeling uncertainty estimation procedures for air quality assessment
15.15-15.35	APCC2.2. Noriko Kono Role of local urban planning in East Asian cities in reduction of GHG emission and energy use	AE2.2. Güray Doğan, Ebru (Yörük) Tuna, Gürdal Tuncel Comparison of source apportionment of particulate pollutants at different parts of Turkey	AMC2.2. M.Manigrasso and P.Avino The DOAS methodology for air pollution study and investigation in industrial and urban areas
15.35-15.55	APCC2.3. Horst Borchert Changes of climate and air pollution in Central Europe in correlation with changes of sun activities	AE2.3. R.J.Zhang, Z.F.Wang, M.G.Zhang, S.Yabuki, Y.Kanai,A.Ohta Change of chemical composition of atmospheric aerosols in Beijing due to air pollution control	AMC2.3. TH Petry, M.Richter, H.Grimm, K.Mueller, G.Spindler Continuous semi-volatile fraction measurement in PM₁₀ and PM_{2.5}
15.55-16.15		AE2.4. A. Wangkiat, S.Wangwongwatana, S. Okamoto Variation of aerosol compositions during dry and wet seasons in Northern Thailand	AMC2.4. Vladimir P.Reshetin Fuzzy assessment of human-health risks
16.15-16.35		AE2.5. J.S.Han, K.J.Moon, Y.J.Kim Identification of potential sources and source regions of ambient aerosol in Northeast Asia using advanced hybrid receptor model jointed with positive matrix factorization	AMC2.5. Alexander Nikov, Ferhat Karaca, Omar Alagha, Atakan Kurt, Hüseyin Hakkoymaz AirPoITool: A web-based tool for Istanbul air pollution forecasting and control
16.35-17.00	Refreshment	AE2.6. S.C.Lee, Y.Cheng, K.F.Ho, J.J.Cao, P.KK. Louie, and J.C.Chow Atmospheric aerosols during pollution episodes in Hong Kong	Refreshment
17.00-18.30	A Special Session by IUAPPA's Global Forum Towards International Cooperation on Hemispheric Pollution		
19.30-22.00	Welcome Reception		

Tuesday - 27 September 2005			
	Hall A	Hall B	Hall C
09.00-10.40	Session – URB1 URBAN AND RURAL AIR QUALITY	Session – MOD1 AIR QUALITY MODELLING	Session – AMC3 ASSESSMENT, MONITORING AND CONTROL
	Chairperson: Jiun-Horng Tsai	Chairperson: Peter Brimblecombe	Chairperson: Hasancan Okutan
09.00-09.20	URB1.1. Fabien Troussier, Nadine Locoge, Jean Claude Galloo Source apportionment of volatile organic compounds in 3 French sites by descriptive analyses and receptor modelling	MOD1.1. George Kallos, Marina Astitha, Petros Katsafados Air pollution modeling in the Mediterranean region: from analysis of episodes to forecasting	AMC3.1. Martin Lechner Quality assurance of automated measuring systems by stationary source emissions DIN EN 14181
09.20-09.40	URB1.2. G. Lonati, M. Giugliano, S. Ozgen PM_{2.5} composition in Milan (Italy)	MOD1.2. P.Gbor, F.Meng, D.Wen, F.Yang, B..Zhang and J.J.Sloan Modelling the atmospheric chemistry, transport, and deposition of semi-volatile toxic pollutants	AMC3.2. Wim van Doorn, C.Bora Arpacioğlu, Gülşen Kaybal, Mehmet Elbir, Lütfü Kılıçlar, Niyazi Akcan, Canan Yeşilyurt Preliminary assessment of ambient air quality in the cities of Ankara and Kütahya
09.40-10.00	URB1.3. Sergey Rumyantsev, Valentin Roldugin and Tuomas Laurila Origin of diurnal variation of surface ozone in Kola Peninsula and Finland	MOD1.3. R. San José, J.L.Pérez, R.M.González The evaluation of the air quality impact of an incinerator by using MM5-CMAQ-EMIMO modelling system: North of Spain case study	AMC3.3. D.Antkowiak, G.Matuschek, J.Schnelle-Kreis, W.Kreyling, R.Otjes, A.Kettrup Application of the steam jet aerosol collector (SJAC) for differential measurements of organic compounds in the gas versus particle phase.
10.00-10.20	URB1.4. Z.Jahangiri, A.Asgari, A.Sedaghatkerdar Analyzing air canals over greater Tehran area for dilution of air pollutants	MOD1.4. Guenter Baumbach, Heiko Pfeiffer, Leire Sarachaga-Ruiz, Savvas Kleanthous, Ersever Beyaz Determination of the spatial air pollutants distribution on the island of Cyprus using diffusive sampling and statistical modelling	AMC3.4. Canan Yeşilyurt, Behiye Gündüz, Reimond Willemse, C.Bora Arpacioğlu, Wim van Doorn Quality assurance program for ambient air quality monitoring at Refik Saydam center of hygiene, ministry of health
10.20-10.40	URB1.5. M.Ferrante, R.Fallico,G. Mirata,P. Di Mattia PM₁₀ concentrations and human activities: a study in Catania	MOD1.5. Öznur Oğuz Kuntasal, Deniz Karman, Gürdal Tuncel Receptor modelling of toxic air pollutants in Ankara atmosphere	AMC3.5. Wim van Doorn, Henk Nijhuis, Ernest Vrins Monitoring of particulate matter in a residential area
10.40-11.00	Tea and Coffee Break		

Tuesday - 27 September 2005			
	Hall A	Hall B	Hall C
11.00-12.40	Session – URB2 URBAN AND RURAL AIR QUALITY Chairperson: Katsumi Saitoh	Session – MOD2 AIR QUALITY MODELLING Chairperson: Carlos Borrego	Session – TOX1 Toxic and Hazardous Pollutants Chairperson: Mustafa Tiris
11.00-11.20	URB2.1. Sef van den Elshout, Karine Léger and Fabio Nussio Comparing urban air quality in Europe in real time a review of existing air quality indices and the proposal of a common alternative	MOD2.1. Erez Weinroth, William Stockwell, Darko Koracin, Julide Kahyaoğlu-Koracin, Menachem Luria, Travis McCord, Domagoj Podnar, Alan Gertler A predictive model to assess the impact of emissions on urban scale air quality in coastal regions	TOX1.1. H.Laversin, D.Courcot, F.Ledoux, L.Courcot, E.A.Zhilinskaya, F.Cazier, S.Bouhsina, T. Desmonts, F.Aïssi, E.Puskaric, A.Aboukais Investigation of atmospheric particles sources in urban and industrialized area at Dunkerque, France
11.20-11.40	URB2.2. John Kuruvilla and Farooqui Zuber Evaluation of spatial variations of non-road and area source emissions in a semi-arid coastal urban airshed using GIS tools	MOD2.2. A.Poupkou, P.Symeonidis, I.Lisaridis, I.Ziomas, D.Melas, O.D. Yay and D.Balis Emission sources and their effect on maximum ozone concentrations over Greece	TOX1.2. Anica Sisovic, Ivan Beslic, Kresimir Segar and Vladimira Vadjic PAH mass concentrations measured in PM₁₀ particle fraction
11.40-12.00	URB2.3. Igor Cuhalev and Roman Kocuvan Measurements of particulate matter PM₁₀ in air under low air temperature conditions	MOD2.3. E.Syrakov, M.Tsankov On the parameterization of maximal and critical characteristics from continuous point source at different meteorological conditions	TOX1.3. Kresimir Segar, Ivan Beslic and Mirjana Cackovic Monitoring of PM_{2.5} particle fraction in Zagreb air
12.00-12.20	URB2.4 Cinzia Perrino, Maria Catrambone, Adriana Pietrodangelo Polluted days and clean days: Differences in the dilution potential of the lower atmosphere and in the mass concentration and chemical composition of atmospheric particles	MOD2.4. Maria Prodanova, Dimiter Syrakov, Zahari Zlatev, Kiril Slavov, Kostadin Ganev, Nikolaj Miloshev, Evelina Nikolova Estimation of ozone pollution levels in southeast Europe using US EPA models-3 system	TOX1.4. Anjali Srivastava, Abba Elizabeth Joseph and Sheena Nair Air quality status of benzene, toluene, ethylbenzene and xylene in Mumbai City
12.20-12.40	URB2.5. Kuang-jung Cheng, Che-hui Tsai, Hsu-chen Chiang, Ching-wen Hsu Meteorologically adjusted ground level ozone trends in Southern Taiwan	MOD2.5. Tayfun Kindap, S.H.Chen, Umit Anteplioglu, Ufuk U.Turuncoğlu, Ozan M.Göktürk, Mehmet Karaca Threat to Turkey from potential accidents at the Soviet-designed Metsamor Nuclear Power Plant, Armenia: Tracer and trajectory analyses and episode studies	TOX1.5. Erik Verhaeven, Johan Liekens, Wilfried Boodts, Eddy Williams Optimization of recuperation process with methyl bromide for stationary QPS-treatment focused towards minimal energy consumption
12.40-13.20	Lunch		

Tuesday - 27 September 2005			
	Hall A	Hall B	Hall C
13.20-15.00	Session – URB3 URBAN AND RURAL AIR QUALITY Chairperson: Günter Baumbach	Session – MOD3 AIR QUALITY MODELLING Chairperson: George Kallos	Session – TOX2 Toxic and Hazardous Pollutants Chairperson: Dimiter Syrakov
13.20-13.40	URB3.1. Peter C.Chu, Yuchun Chen, Shihua Lu, Zhenchao Li, Yaqiong Lu Severe particulate pollution in Lanzhou China	MOD3.1. Sebnem Andreani Aksoyoğlu, Johannes Keller, Andre S.H.Prevot 3-dimensional modeling of gaseous and particulate pollutants in Switzerland	TOX2.1. G.Fumarola, A.Gambadoro, G.Valastro, A.Zerbo Air quality and natural sources in an industrial area
13.40-14.00	URB3.2. Ferhat Karaca, Omar Alagha, Ferruh Ertürk, Yusuf Ziya Yılmaz, Türkan Özkara Atmospheric PM₁₀ and PM_{2.5} lead concentrations and temporal variations over a suburban site of Istanbul (Turkey)	MOD3.2. Muwaffaq Freiwan, Selahattin Incecik and Umit Antepioglu Modeling of European air pollution and long-range transport to the east Mediterranean region.	TOX2.2. Zdenko Franic, Gordana Marovic an Jasminka Sencar Long-term investigations of radioactive matter in the air in the city of Zagreb
14.00-14.20	URB3.3. Deniz Derya Genç, Canan Yeşilyurt, Banu Bayar, Gürdal Tuncel Effects of meteorology on Ankara air quality	MOD3.3. C.Gariazzo, V.Papaleo, A.Pelliccioni, G.Calori, P.Radice, G.Tinarelli Air pollution impact assessment of a complex industrial-urban area by means of a Lagrangian particle model	TOX2.3. S.Sciacca , M.V.Brundo, G.Caltavituero, L Calabretta Fluoro-Edenite: a new amphotibole fiber
14.20-14.40	URB3.4. Hae Shik Shin, Jin Kyu Kim, Jeong-Joo Lee and Jin-Hong Lee Genotoxicity evaluation of atmospheric environments of subway stations in Seoul using tradescantia micronucleus assay.	MOD3.4. N. Karvosenoja, P. Porvari, A. Raateland, J.T.Tuomisto, M. Tainio, M. Johansson, A. Kousa Emission modeling in the assessment of PM_{2.5} from traffic and residential wood combustion	TOX2.4. Jiun-Horng Tsai, Yung-Chen Yao, Hui-Fen Ye Characterization of organics hazardous air pollutants in an industrial city in Tawan
14.40-15.00	URB3.5. Liu Huizhi, Jiang Yujun, Liang Bin, Zhu Fengrong, and Sang Jianguo Studies on wind environment around high buildings in urban area	MOD3.5. Niko Karvosenoja, Petri Porvari, Arjen Raateland, Kaarle Kupiainen, Matti Johansson The spatial allocation of air pollutants in Finnish regional emission model	TOX2.5. Natasa Kalinic, Janko Hrsak, Vladimira Vadjic, Mirjana Cackovic, Zivana Lambasa-Belak, and Vladimir Mihelcic Correlation between metallic and acidic components in deposited matter
15.00-15.20	Tea and Coffee Break		

Tuesday - 27 September 2005			
15.20-16.40	Hall A	Hall B	Hall C
	Session – URB4 URBAN AND RURAL AIR QUALITY	Session – MOD4 AIR QUALITY MODELLING	Session – TOX3 Toxic and Hazardous Pollutants
	Chairperson: Kadir Alp	Chairperson: Talat Odman	Chairperson: Andreas N. Skouloudis
15.20-15.40	URB4.1. Budi Haryanto Blood-lead monitoring exposure to leaded-gasoline among school children in Jakarta, Indonesia 2005	MOD4.1. Jorge Neto, Pedro Torres, Francisco Ferreira and Filomena Boavida Lisbon air quality forecast using statistical methods	TOX3.1. Dong-Hwan Kim and Gon Ok Emission characteristics of PCDDs/DFs, DLPCBs and PAHs from different fueled vehicles with variable speeds
15.40-16.00	URB4.2. Sumit Sharma, T.S.Panwar Urban air quality management in India (with specific emphasis on particulate matter)	MOD4.2. Hristina Kirova-Galabova, Silvia Petrova, Dimiter Syrakov, Maria Prodanova On some new advection schemes for air pollution modelling application	TOX3.2. Noor Zaitun Yahaya, Asmadi Ali, Chong Khoon Hoong, Chong Jium Gaik The analysis and characterization of polycyclic aromatic hydrocarbons (PAHs) in selected areas: Kuala Terengganu case study in a state of Terengganu, Malaysia
16.00-16.20	URB4.3. Nares Chuersuwan, Subuntith Nimrat, Sukanda Lekphet, Tida Kerdkumrai Levels and major sources of PM_{2.5} and PM₁₀ in Bangkok metropolitan region	MOD4.3. Hristo Chervenkov, Dimiter Syrakov and Maria Prodanova Estimation of the exchange of sulphur pollution over the Balkan region in 1995-2000	TOX3.3. Sinan Yatkin, Abdurrahman Bayram, Yetkin Sonmez Dumanoglu, Hasan Altiok, Banu Cetin Determination of elemental composition of PM₁₀ samples around heavy industrial region of Aliaga, İzmir-Turkey
16.20-16.40		MOD4.4. John Kuruvilla, Zuber Farooqui and Ronald K.Brown Relative impact of mobile source emission on a semi-arid coastal urban airshed	TOX3.4. Banu Cetin, Yetkin Sonmez Dumanoglu, Hulusi Demircioglu, Abdurrahman Bayram Ambient air concentrations of volatile organic compounds around the heavy industrial area (Aliaga) in İzmir
16.40-17.00		MOD4.5. Tayfun Kindap, Shu-Hua Chen, Alper Unal, M.Talat Odman, Mehmet Karaca A first approach to estimating air pollutants in Turkey using an air quality model	

Wednesday - 28 September 2005			
	Hall A	Hall B	Hall C
09.00-10.40	Session – TRF1 TRAFFIC EMISSIONS	Session – MOD5 AIR QUALITY MODELLING	Session – FOR1 Impacts on Forest and Vegetation
	Chairperson: Dominique Courcot	Chairperson: Şebnem Andreani-Aksoyoğlu	Chairperson: Aysel Atımtay
09.00-09.20	TRF1.1. Abel Martins, Mário Cerqueira, Francisco Ferreira, Carlos Borrego, Jorge H.Amorim Lisbon air quality – evaluating traffic hot-spots	MOD5.1. Hermann Jakobs, Michael Memmesheimer, Adolf Ebel Daily forecast of air quality over Europe with the EURAD model system	FOR1.1. B.-G.Lee, Y.-C. Choi, H.-C. Quan, H. Choi Impact of temperature distributions on forest and vegetation in Jeju Island with remote sensing data
09.20-09.40	TRF1.2. Silva Zuzul, Vladimira Vadjic, Mira Solic-Gavranovic Benzene in the air of Zagreb, Croatia –First study	MOD5.2. C.Mensink, K.De Ridder, F.Deutsch, F.Lefebre and K.Van de Vel Scale interactions in local, urban and regional air quality modelling	FOR1.2. Andrea Corti, Matteo Carpentieri, Stefano Mancuso Evaluation of the mitigation effects of vegetation on air quality in the Florence metropolitan area
09.40-10.00	TRF1.3. Michael Andrew McAdams, Ferhat Karaca, Omar Alagha, Sami Gören Predicting short term vehicular related air pollution for corridors: A case study in Istanbul, Turkey	MOD5.3. Mete Tayanç and Aytuğ Berçin Modeling SO₂ dispersion during 5-6 February 1997 episode over İzmit Gulf, Turkey	FOR1.3. M.Doğan Kantarcı, Aydın Çömez, Ender Tuncer The effects of air pollution on forest on sundiken massif (North of Eskişehir/Turkey)
10.00-10.20	TRF1.4. Pedro Torres, Francisco Ferreira and Vitor Gois Improved methodology for road emissions calculation: The case of Portugal	MOD5.4. Chong Bum Lee, Mi Hee Le Simulation of temporal and spatial distributions of ozone in the Seoul metropolitan area using MODELS-3/CMAQ	FOR1.4. Gülriz Bayçu, Doğanay Tolunay Lead (Pb) concentrations in urban soil and some tree species of Istanbul
10.20-10.40	TRF1.5. Farah Sadat Halek, Homa Keshavarzi Shirazi, Mohsen Mir Mohamadi Study of MTBE in Tehran's atmosphere	MOD5.5. Kadir Alp, Asude Özkan Determination of transport processes of nocturnal ozone in Istanbul atmosphere	FOR1.5. Yousef Meslmani, Mohammad Al-Aoudat, Kamel Al-Kharfan The effects of cement dust on olive trees in the area surrounding Tartous cement factory
10.40-11.00	Tea and Coffee Break	Tea and Coffee Break	FOR1.6. Reyhaneh Sariri, Fazel Najafi, Vahab Jafarian Peroxidase activity in leaves of plane tree as a marker of air pollution in Rasht

Wednesday - 28 September 2005			
	Hall A	Hall B	Hall C
11.00-13.00	Session – TRF2 TRAFFIC EMISSIONS	Session – MOD6 AIR QUALITY MODELLING	Session – AQM1 AIR QUALITY MANAGEMENT
	Chairperson: Ferruh Ertürk	Chairperson: John Kuruvilla	Chairperson: Byung-Gul Lee
11.00-11.20	TRF2.1. Cláudia S.Martins, Francisco Ferreira, Ana Isabel Miranda Air quality nearby motorways: Developing new monitoring methodologies	MOD6.1. Che-hui Tsai, Hsu-cherng Chiang, Ching-wen Hsu Use of chemical transport model for ozone forecast in Taiwan	AQM2.1. Miguel Coutinho, A.I.Miranda, Carlos Borrego Comprehensive air quality management of the metropolitan area of Porto
11.20-11.40	TRF2.2. İrem Önoğlu, Aysel T.Atımtay Emission factors of non-methane hydrocarbons for some widely used passenger cars in Turkey	MOD6.2. Szopa Sophie,Didier A.Hauglustaine, Robert Vautard Evolution of the tropospheric composition in 2030: Impact on European air quality	AQM1.2. Normunds Kadikis Complex air quality management system in a large city: example of Riga city, Latvia
11.40-12.00	TRF2.3. J.F.W.Koopmans Air pollution short circuit effects of road traffic tunnel portals	MOD6.3. Zifa Wang, Wenshuai Xu, Xiquan Wang, Qingyan Fu, Jing Wang, Dongqin Yang, Yefei Zheng An operational nested air quality prediction modeling system (NAQPMS) for Shanghai City with data assimilation	AQM1.3. A.L.Beaulant, G.Do'Un, J.Kleinpeter, C.Weber, T.Ranchin, L.Wald Adding virtual measuring stations to a network for urban air pollution mapping
12.00-12.20	TRF2.4. D.Courcot, H.Laversin, F.Ledoux, F.Cazier, J.Matta, R.Cousin and A.Aboukaïs Composition and textural properties of soot and study of their oxidative elimination by catalytic process	MOD6.4. Zuber Farooqui and John Kuruvilla Impact and assessment of marine vessels emissions on the Corpus Christi urban airshed	AQM1.4. Hans-Guido Mücke QA/QC programme on air quality monitoring in the WHO European region (1994-2004)
12.20-12.40	TRF2.5. K.Engeljehring, M.Noest, H.Preschern, S.Schafferhofer, W.Singer Instrumented in-use-vehicles, a versatile tool to measure emissions	MOD6.5. V.P.Saxena and H.S.Jat Quantitative assessment of air quality through modeling of pollution concentration in atmosphere with known surface value in circular regions	AQM1.5. Deepa Menon-Choudhary, P.R.Shukla An integrated strategy for urban air quality management in India
12.40-13.00		MOD6.6. Edson P.Marques Filho, Amauri P.de Oliveira, Umberto Rizza and Robert Bornstein Large eddy simulation of a continuous area source in a convective boundary layer	
13.00-14.00	Lunch		

Wednesday - 28 September 2005
POSTER SESSION*
13.00-15.00

P1.1. J.Ron Jernigan, Ronald Vos

An overview of the continuous emission monitoring technologies and equipment installed by the USA electric utility industry to comply with the USA Environmental Protection Agency acid rain monitoring program

P1.2. F.Halek, Gh.Nabi, H.Ganjidoust, M.Mir Mohammadi

Size distribution of suspended particulate matter in the urban areas of Tehran

P1.3. F.Halek, M.Keyanpour, K.Abbaspour, A.Kavousi

Motorcycles emission and the effects on Tehran air quality

P1.4. Lokman Hakan Tecer, Nazan Tomaç, Ferhat Karaca, Ayşe Kaplan, Tunç Tunçer, Hamit Aydın

The evaluation of the effect of air pollution on the children health status of Zonguldak city, Turkey

P1.5. Mehrvash Khajevandi

The comprehensive program for air pollution reduction in Tehran (transportation section)

P1.6. E. Krajny, L. Osrodka, J. Skowronek, K. Skubacz, M. Wojtylak

Application of polonium concentration for estimation the mixing height in air pollution problems

P1.7. J.H.Lee, J.M.Lim, M.C.Seo, K.H.Kim

Airborne toxic metals in industrial complex areas of Korea using CCT-ICP-MS technique

P1.8. Peter C.Chu, Yuchun Chen, and Shihua Lu

Afforestation for improving valley urban air-quality

P1.9. J.S.Han, K.J.Moon, S.J.Lee, Y.J.Kim, S.Y.Ryu, S.S.Cliff, S.M.Yi

Size-resolved source apportionment of ambient particles by positive matrix factorization

P1.10. Z.Gahangiri, A.Sedaghatkerdar, H.Ganjidoost

Determining of geographical and topographical characteristics and of urban roughness elements in Tehran for air quality modeling

P1.11. Reyhaneh Sariri

Air pollution in urban area could highly alter the biochemistry of human tears!

P1.12. Zang-Ho Shon, Ki-Hyun Kim, Eui-Chan Jeon, Min-Young Kim, Yoo-Keun Kim, Sang-Keun Song

Photochemistry of reduced sulfur compounds in a landfill environment

<p>P1.13. Chong Bum Lee, Eun Young Song Transport of ozone in downwind area from Seoul metropolitan area in Korea</p>
<p>P1.14. Mahmut Sümen, Ali Oktar, Nizamettin Mangir, Ramazan Özçelik Actions taken in Istanbul towards the aim of preventing air pollution</p>
<p>P1.15. Min-Gye Lee, Joong-Kyun Kim, Kyung-Ho Kang and Sang-Kyu Kam Characteristics of benzene, toluene and xylene gas removal by a biofilter using SCORIA</p>
<p>P1.16. Janko Hrsak and Vladimira Vadjic Cadmium content in suspended particulate matter in Zagreb air</p>
<p>P1.17. M.Hangartner and T.Bürki Calibration of dispersion models using diffusive samplers</p>
<p>P1.18. E.Syrakov, E.Cholakov The combined non-local, baroclinic and capping inversion effects on the turbulent and pollutant characteristics in the neutral and stable PBL</p>
<p>P1.19. Kadir Alp, Muge Komurcu Characterization of pollutant sources at 10 stations in Istanbul with PM₁₀ and EU directives on focal point</p>
<p>P1.20. Y.Yildirim, F.Karaca, L.Tecer, L.M.Luhana and R.Sokhi Neutral networks based modelling of traffic related air pollution</p>
<p>P1.21. I. Beslic, K. Segal and A. Sisovic Pilot air pollution investigation at Zagreb crossroads</p>
<p>P1.22. Bülent O.Akkoyunlu and Mete Tayanç Four storms with sub-events: Sampling and analysis</p>
<p>P1.23. Mihriban Y.Civan, Gürdal Tuncel Performance comparison of different brands of passive sampling tubes for the determination NO₂ and O₃ in urban atmosphere</p>
<p>P1.24. Hanefi Bayraktar, F.Sezer Turalioğlu and Gürdal Tuncel Mass concentrations of TSP, PM₁₀ and PM_{2.5} in Erzurum urban center, Turkey</p>
<p>P.1.25. B. Ayati Propose of suitable hospital waste incinerators in I.R. Iran</p>
<p>P1.26. H.Okutan, E.Ekinci, K.Alp Update and revision of Turkish air quality regulation</p>

P1.27. Isabelle Roussel, Jean-Marie Rambaud The assessment of personal exposure: What for?	
P1.28. Sema Topcu, Aysel T.Atimtay, Selahattin Incecik, Ceyhan Kahya Spatial analysis of the ionic components over Central and Southeastern Europe, 1994-2002	
P1.29. Sibel Çukurluoğlu Çizmecioğlu, Aysen Müezzinoğlu Solubility of deposited airborne heavy metals	
P1.30. Cuma Bayat, Osman N.Ucan, Ulku Sahin, Kurtulus Ozcan Prediction of missing SO₂ and PM₁₀ concentrations using cellular neural network (CNN)	
P1.31. Sermin Ornektekin, Fred D.Pooley An electron microscope study of the airborne partices in Northeast Mediterranean	
P1.32. Sevde Seza Bozacioglu, Eylem Cetin, Fikret İnal, Mustafa Odabasi, Aysun Sofuoglu Seasonal Variations of polychlorinated biphenyls (PCBS) in Izmir, Turkey	
P1.33. Ayse Bozlaker, Aysen Muezzinoğlu A study of semi-volatile toxic organic air pollutants in Aliaga heavy industrial region	
P1.34. H.Meltem Güvener, Aysel T.Atimtay Odorous emissions in the organized industrial zone of Ankara, Turkey.	
P1.35. Yavuz Yucekutlu, A.Teoman Sanalan Regional air pollution abatement, existing legislation in Turkey and European Union harmonization.	
P1.36. Ece Tok Regulation on control of industry-source air pollution, and activities for prevention of air pollution	
P1.37. Dagmar Goemer, Fulya Somunkiranoglu, Ece Tok Introduction into the twinning project, "air quality" of the European Commission	
P1.38. Hyo Choi Diurnal variations of particle size distribution and mass concentration in the Korean Coast	
P1.39. Bulent Atamer An overall model for air quality monitoring within Turkey for implementation of European air quality framework, daughters and related directives	
15.00-17.30	A Special Session by EFCA Shipping Emissions

* The size of the Poster display area: 0.95m x 2.48m
Poster sizes: 84.1 cm x 118.9 cm

Thursday - 29 September 2005			
	Hall A	Hall B	Hall C
09.00-10.40	Session – REG1 REGIONAL STUDIES	Session – DUST1 DUST STORM GENERATION AND PREVENTION	Session – AQM2 AIR QUALITY MANAGEMENT
	Chairperson: Mete Tayanç	Chairperson: Hyo Choi	Chairperson: Vladimira Vadjic
09.00-09.20	REG1.1. Pakpong Pochanart, Kazuyo Yamaji, Hajime Akimoto, Jie Li, Zifa Wang, Itshushi Uno East Asian ozone pollution: evaluation from observation and regional model in China	DUST1.1. Lance M.Leslie and Milton S.Speer Changes in dust storm occurrence over central eastern Australia: 1950 to 2004	AQM1.1. Jülide Kahyaoğlu-Koracin, Scott Bassett, David Mouat, Alan Gertler A scenario-based modeling system to predict the air quality impact from future growth
09.20-09.40	REG1.2. G.D.Fourie, G.D.DJolov, J.J.Pienaar Long-range transport and chemical transformation of pollutants in the Southern African region	DUST1.2. H.Choi and C.H.Jang Extremely high concentration of tsp affected by atmospheric boundary layer in Seoul metropolitan area during duststorm period	AQM2.2. Aiman Soleiman and Bilal Al Bashir Air quality management in the Aqaba special economic zone (Aseza), Jordan
09.40-10.00	REG1.3. Ozan Devrim Yay, Anastasia Poupkou, Panagiotis Symeonidis, Anthia Gkantou, Dimitrios Melas, Tuncay Döğeroğlu Biogenic emissions of volatile organic compounds from Turkey	DUST1.3. Sang-Keun Song, Yoo-Keun Kim, and Hwa Woon Lee Methodology for quantitative estimation of atmospheric loadings during Asian dust events observed over Korea in 2002.	AQM2.3. Hernani Yulinawati Air quality management in mega-urban regions of Southeast Asia
10.00-10.20	REG1.4. Vladislav L.Katkov The computer with parallel architecture in a problem of wind transport of pollutants at emergence	DUST1.4. H.Choi and Doo Sun Choi Prediction of duststorm evolution by vorticity theory	AQM2.4. Robert Evans, Johnson Matthey, David Lemon Diesel retrofit emissions reduction systems: markets, drivers and cost-effectiveness
10.20-10.40	REG1.5. Chasuzga Mtawale Regulating mineral and energy industries: a challenge for developing countries		AQM2.5. Mohamed M.Elgharni, Hamza A.Khalfhalla, Hadi A.El Akrami Desulfurization of hydrocarbon fuels by oxidation and solvent extraction
10.40-11.00	Tea and Coffee break		

Thursday - 29 September 2005			
	Hall A	Hall B	Hall C
11.00-13.00	Session – REG2 REGIONAL STUDIES	Session – DUST2 DUST STORM GENERATION AND PREVENTION	Session – ODM1 ODOUR MANAGEMENT
	Chairperson: Orhan Yenigün	Chairperson: Silva Zuzul	Chairperson: Aysen Müezzinoğlu
11.00-11.20	REG2.1. Y.Mamane and O.Yossef Contribution of natural and anthropogenic sources to fine and coarse particle fractions in the east Mediterranean	DUST2.1. Doo Dun Choi, Hyo Choi and Sang Kook Kim Concentrations of PM10, PM2.5 and PM1 influenced by sea-land breeze circulation and atmospheric boundary layer in the Korean mountainous coast during duststorm period	ODM1.1. Markus Hangartner Approach to odor nuisance evaluation in Switzerland
11.20-11.40	REG2.2. Ali Can, Aysel T.Atimtay Estimation of CO₂ concentration over Mediterranean area by using Kriging technique	DUST2.2. R.J.Zhang, Z.F.Wang, J.J.Cao, S.Yabuki, Y.Kanai, and A.Ohta Physicochemical characterization and origin of the 20 March 2002 heavy dust storm in Beijing	ODM1.2. A. Lohmeyer, S.Czarnecki, W. Homans, W.J. Müller Odour management decision support system for licensing authorities
11.40-12.00	REG2.3. Ali Deniz, Fevzi Erdoğan and Hüseyin Toros The importance of blocking events in air pollution in Turkey	DUST2.3. Gülen Güllü, Güray Doğan, Gürdal Tuncel Source regions of dust transported to the eastern Mediterranean	ODM1.3. Aysen Muezzinoğlu, Faruk Dinçer Correlation between the public odor complaints and toxic air pollutants
12.00-12.20	REG2.4. Abdulla El-Henshir, S.P.Bindra Air pollution prevention studies for the petroleum industry in Libya		ODM1.4. Aysel T.Atimtay, Wolfgang J.Müller, Achim Lohmeyer, Ulf Janicke Odour dispersion modelling around a sugar beet factory in Ankara
12.20-12.40	REG2.5. Fakharuddin İshak, Noor Zaitun Yahaya Air pollution knowledge among secondary student: Case study in selected schools in Ipoh city, Perak, Malaysia		ODM1.5. Emine Bolcu Adaptation of biological waste gas purification systems to Mediterranean region
12.40-13.00	REG2.6. Ebrahim, Fattahi Using spatial synoptic classification to assess atmospheric pollution concentration in Tehran		
12.40-13.20	Lunch		

Thursday - 29 September 2005			
	Hall A	Hall B	Hall C
13.20-15.20	Session – OZP1 OZONE PROBLEMS	Session – DEC1 DECISION SUPPORT SYSTEMS FOR AIR QUALITY MANAGEMENT	Session – IND1 INDOOR AIR QUALITY
	Chairperson: Kiyotaka Shibata	Chairperson: James J. Sloan	Chairperson: A. Aboukais
13.20-13.40	OZP1.1. M. Rahman, Y. Nagaya, A. Hashimoto, K. Takaharu Interaction patterns of surface ozone with NO_x and NMHC in eight cities of Aichi and Mie Prefectures, Japan	DEC1.1. R.Salvatori, A.Grignetti, M.Rotatori and I.Allegrini A GIS application as decision support for air monitoring network	IND1.1. A. Srivastava, M. Phaterpekar, K. Dalvi Volatile organic compounds in indoor environment of public places in Mumbai – India
13.40-14.00	OZP1.2. K. Shibata and M. Deushi Effect of the vertical resolution in the upper troposphere and lower stratosphere on ozone abundance across the tropopause	DEC1.2. J.A. Souto, M.Hermida, J.J.Casares, J.L.Bermúdez SAGA: A decision support system for air pollution management around a coal fired power plant	IND1.2. Dong Uk Park, Kyung Sup Yun and Kwon Chul Ha Characteristics of PM₁₀ and PM_{2.5} as monitored in interiors and platforms of subway train in Korea
14.00-14.20	OZP1.3. U. Im, M. Tayanç, O. Yenigün A study of photochemical pollution in Istanbul	DEC1.3. A. Namdeo and C. Stringer The relationship between air pollution, health and social deprivation in Leeds, UK	IND1.3. Alfred J.Lawrence, A. Taneja Indoor air quality and indoor/outdoor relationship in domestic homes of central part of India
14.20-14.40	OZP1.4. M.I.Beloglazov,L..Pershakov, V.C.Roldugin, S.A.Rumyantsev, V.A.Shishaev Vertical structure of air pollution layer in polar industrial area		IND1.4. Ayse Ozturk The building as an effective factor to indoor air quality defining the building as a source of indoor air pollution
14.40-15.00	OZP1.5. Sema Topcu, Ceyhan Kahya, Selahattin Incecik, Sehnaz Gul Ercan, Umut Gul Basar Review of surface ozone and its precursors in urban atmosphere of Istanbul, Turkey for 2002-2003		IND1.5. Ayse Ozturk Consideration of three processes indoor air quality – risk assessment/ risk management – the architectural design processes
15.00-15.20	OZP1.6. J. Y. Lee, S. B. Kim, G. S. Kim, S. C. Hong, S. H. Hong Decomposition of gas-phase ozone using natural manganese ore as a catalyst at room temperature		
15.00-15.30	Tea and Coffee Break		
16.00-17.30	Closing Ceremony		
19.30-22.30	Conference Dinner		

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