

ICUC-5 Conference Programme

Oral Presentation Schedule

1 September 2003, Monday

11.00-13.00 Session No. 1 Radiation, visibility

O.1.1	S. Blankenstein, W. Kuttler	Mobile Measurements of Downward Longwave Radiation in Street Canyons.
O.1.2	P. Jonsson, I. Eliasson, S. Lindqvist	Particle and Radiation Measurements in Dar es Salaam, Tanzania: Preliminary results.
O.1.3	K. Blazejczyk, J. Baranowski	Solar and UV Radiation in the Warsaw Downtown.
O.1.4	C.L. Bueno-Bartholomei, L. Ch. Labaki	How Much Does the Change of Species of Trees Affect Their Solar Radiation Attenuation?
O.1.5	G. Scudo, A. Rogora, V. Dese	Simplified Model to Simulate Radiant Conditions in Urban Environment.

11.00-13.00 Session No. 2 Bioclimate - comfort & urban spaces

O.2.1	L. Katschner	Urban Bioclimate and Open Space Planning.
O.2.2	M. Dubicka, S. Sikora	Influence of the City on the Structure of the Net Heat Storage in Wroclaw.
O.2.3	S. Becker, O. Potchter, Y. Yaakov	Thermal Sensation in Extremely Hot and Dry Urban Environments.
O.2.4	M. Nikolopoulou, S. Lykoudis, M. Kikira	Thermal Comfort in Outdoor Spaces: Field Studies in Greece.
O.2.5	G.M. Barbirato, S.C. Torres, T.L. Lisboa	Microclimatic Conditions of Urban Public Spaces in a Tropical City.
O.2.6	A.M. Abdelmegeed	Influence of Some Meteorological Parameters and Ultraviolet Radiation on Human Comfort in Aswan, Upper Egypt.
O.2.7	A. Matzarakis	Human-Biometeorological Assessment of Urban Structures.

11.00-13.00 Session No. 3 UHI - observations

O.3.1	K. Klysik, K. Fortuniak	Observed UHI Intensity in Lodz – Definition and Typical Values.
O.3.2	S. Szegedi, A. Kircsi	The Development of the Urban Heat Island Under Various Weather Conditions in Debrecen, Hungary.
O.3.3	J. Unger, Z. Sumeghy, T. Gal, S. Szegedi	Cross-Section Profiles of the Urban Heat Island.

O.3.4	M. Szymanowski	Short-Lived Urban Heat and Cool Islands in Wroclaw, Poland.
O.3.5	T. Mikami, H. Ando, W. Morishima, T. Izumi, T. Shioda	A New Urban Heat Island Monitoring System in Tokyo.
O.3.6	I. Camilloni, R. Bejaran	The Summer Urban Heat Island Intensity and the Mean Synoptic Conditions in Buenos Aires, Argentina.

14.45-15.45 Session No. 4 Concepts in urban climate – place, space and people

O.4.1	U. Westerberg, I. Knez, I. Eliasson	Urban Climate Spaces. A Multidisciplinary Research Project.
O.4.2	I. Knez	Climate: A Nested Physical Structure in Places.
O.4.3	B. Zahnen	The Human Dimension of Doing Urban Climatology: Some Hermeneutical Aspects.

14.45-15.45 Session No. 5 UHI - models I

O.5.1	J.-J. Baik, Y.-H. Kim	Urban Heat Island in Seoul.
O.5.2	N. Long, G. Pigeon, P.G. Mestayer, P. Durand, C. Kergomard	Correlation Between Temperature and Classification of Urban Fabric on Marseille During Escompte.
O.5.3	F. Fernandez, J.P. Montavez, J.F. Gonzalez-Rouco, F. Valero	A PCA Analysis of the UHI Form of Madrid.

16.15-17.35 Session No. 6 Air quality in cities

O.6.1	P. Gburcik, S. Matic-Besarabic, V. Gburcik	Heat Island And Air Quality Spatial Distribution in Belgrade City.
O.6.2	H. Bridgman, L. Graham	Air Pollution and Meteorology in a Small City: The Case Case Study of Newcastle, NSW, Australia.
O.6.3	J. Brechler, T. Halenka	Air-Pollution as a Part of Urban Climatic System.
O.6.4	L. Makra, R. Beczi, G. Motika, H. Mayer	Assessment of the Air Quality in a Middle-Sized City, Szeged, Hungary.

16.15-17.35 Session No. 7 Bioclimate – methods

O.7.1	H. Mayer, A. Matzarakis	Human-Biometeorological Assessment of the Urban Climate: Methods, Results, Deficiencies.
O.7.2	G. Jendritzky, A. Gratz, C. Koppe, G. Laschewski	How to Deal with the Urban Development, Urban Climate, Human Health Effect Relationship - A Contribution to Methodology.
O.7.3	M. Bruse	Assessing Urban Microclimate Using Multi-Agent Simulations: A New Approach to Answer an Old Problem?
O.7.4	K.M. Knowlton, J.E. Rosenthal, S. Gaffin, C. Rosenzweig, R. Goldberg, B. Lynn, P.L. Kinney	Modeling Public Health Impacts of Climate Change in the New York Metropolitan Region.

16.15-17.35 Session No. 8 UHI – models II

O.8.1	J. Szpirglas, J.A. Voogt	A Validation and Performance Assessment of the Surface Heat Island Model.
O.8.2	K. Fortuniak	An Application of the Urban Energy Balance Scheme for a Statistical Modeling of the UHI Intensity.
O.8.3	A. Brazel, S. Grossman-Clarke, J.A. Zehnder, B.C. Hedquist	Observations and MM5 Simulations of the Urban Heat Island in Phoenix, Arizona, USA with a Modified Land Cover Scheme.
O.8.4	H. Sugawara, N. Yasuda, G. Naito	Urban Heat Budget and Geometrical Structure of Building Canopy.
O.8.5	J.P. Montavez, J.F. Gonzalez-Rouco, F. Valero	A Set of Equations for Determining the Maximum Intensity of Nocturnal Urban Heat Island.

2 September 2003, Tuesday**8.30-10.30 Session No. 9 Vehicle pollution & O₃**

O.9.1	C. Ghiaus, F. Caini, R. Belarbi	Linear Discriminant Analysis Applied to Forecast Ozone Concentration Classes in Sea-Breeze Regime.
O.9.2	T.J. Lyons	Transport Induced Urban Air Quality.
O.9.3	D. Boucouvala, J. Wilkinson, J. Samuel, R. Bornstein	MM5 Modelling of Sea Breeze Convergence Zone Effects on SCOS97 Urban Ozone in Complex Terrain.
O.9.4	D. Mishori-Rosenberg, S. Brenner, A. Manes	Exposure Sensitivity Study to Nitrogen Oxides at the Central Tel-Aviv Area.
O.9.5	X. Li, J. An, Y. Wang, W. Chen, F. Hu, H. Chen	Measurements of Atmospheric Boundary Layer Ozone in Summer with Beijing 325 m Meteorological Tower.
O.9.6	F.N. Sentuc, N. Eissfeldt, M. Lubrichs, M.J. Kerschgens	Investigating the Impact of Traffic Based Emissions on Urban Air Pollution with a Nested Model System.

8.30-10.30 Session No. 10 Turbulent fluxes

O.10.1	M. Roth, J. Salmond, A.N.V. Satyanarayana, A. Christen, R. Vogt, T.R. Oke	Turbulence Characteristics, Similarity and CO ₂ (CO) Spectra over an Urban Canyon.
O.10.2	R. Moriwaki, M. Kanda, Y. Kimoto	A Field Experiment on How Atmospheric Stability Affects Vertical Profiles of Momentum and Heat Fluxes in an Urban Surface Layer.
O.10.3	J.A. Salmond, M. Roth, T.R. Oke, A.N.V. Satyanarayana, R. Vogt, A. Christen	Comparison of Turbulent Fluxes From Roof Top Versus Street Canyon Locations Using Scintillometers and Eddy Covariance Techniques
O.10.4	A. Christen, C. Bernhofer, E. Parlow, M.W. Rotach, R. Vogt	Partitioning of Turbulent Fluxes Over Different Urban Surfaces.
O.10.5	R. Vogt, A. Christen, M.W. Rotach, M. Roth, A.N.V. Satyanarayana	Fluxes and Profiles of CO ₂ in the Urban Roughness Sublayer.

11.00-13.00 Session No. 11 Air pollution models I

O.11.1	A. Venkatram, V. Isakov, J. Yuan, D. Pankratz, T. Sax	The Role of Upwind Dispersion in Modeling Air Quality Within the Urban Canopy.
O.11.2	R. Bornstein, M. Luria, Y. Mahrer, M. Peleg, D. Rammar, E. Weinroth, E. Tas, V. Matziev, E. Feitelson, J. Kaplan, U. Dayan, J. Issac, K. Rishmawi, J. Safi, Y. El-Nahhal	Middle-East Urban Pollutant Transport Study: Observations and AMS/CAMEX Results.
O.11.3	A. Baklanov et al.	Improvement of Meteorological Forecast for Urban Areas: Strategy of FUMAPEX Project.
O.11.4	F. Hu, Z. Han	Development of the IAP Urban Quality Model.
O.11.5	D.W. Byun, S.-B. Kim, Soontae-Kim, B. Czader	Effects of Meteorology and Missions Interactions on Air Quality in the Houston-Galveston Metropolitan Airshed.

11.00-13.00 Session No. 12 Energy balance

O.12.1	S. Roberts, T.R. Oke, J.A. Voogt, C.S.B. Grimmond, A. Lemonsu	Energy Storage in a European City Center.
O.12.2	R. García-Cueto, E. Jauregui, A. Tejada	Urban / Rural Energy Balance Observations in a Desert City in Northern Mexico.
O.12.3	C.S.B. Grimmond, B.D. Offerle, T.R. Oke	Evaluation of the LUMPS-NARP Scheme for Urban Areas.
O.12.4	A.J. Arnfield	Assessment of a Simple Model for Neighbourhood-Scale Urban Surface Energy Budgets.
O.12.5	R. Spronken-Smith, M. Kossmann, P. Zawar-Reza	Where Does All the Energy Go? Energy Partitioning in Suburban Christchurch under Stable Wintertime Conditions.

16.15-17.35 Session No. 13 Air pollution models II

O.13.1	L. Graham, H. Bridgman	Air Pollution Modelling in a Small Industrial City: The Case Study of Newcastle, New South Wales, Australia.
O.13.2	P. Zawar-Reza, A. Sturman, R. Spronken-Smith	Validation of the Air Pollution Model (TAPM) for Winters of 1999 to 2002 Over Christchurch, New Zealand.
O.13.3	F. Lefebvre, K. De Ridder	The Impact of Green Space Modifications on Air Quality for the Antwerp Urban Area.
O.13.4	R. San Jose, J.L. Perez, R.M. Gonzalez	Application of a Street-Through-Global Air Quality Modelling System MIMO-MM5-CMAQ: Madrid Case Study.

16.15-17.35 Session No. 14 Energy and building climate

O.14. 1	F. Lindberg, I. Eliasson, B. Holmer	Urban Geometry and Temperature Variations.
O.14. 2	Y. Ohashi, Y. Genchi, H. Kondo, Y. Kikegawa, Y. Hirano, H. Yoshikao	A Study of Horizontal Temperature Distribution Within Urban Canopy Layer at the Tokyo Central Area.
O.14. 3	Y. Genchi, M. Ishisaki, Y. Ohashi, Y. Kikegawa, H. Takahashi, A. Inaba	Impacts of Large-Scale Photovoltaic Panel Installation on the Heat Island Effect in Tokyo.
O.14. 4	T. Ichinose, T. Inoue, T. Sawachi, Y. Genchi	Total Adaptation of Advanced Energy Saving Technologies to a Building of Research Institute, CCRH.

16.15-17.35 Session No. 15 Bioclimate – plants and animals

O.15. 1	J. Goyette-Pernot, R. Munoz- Alpizar, J.-P. Blanchet, S. Goyette, M. Beniston	Analysing Ragweed Pollen Cloud Over Montreal City Center.
O.15. 2	Y. Fukuoka, F. Matsumoto	The Relationship between Climate and Plant Phenology in Japanese Cities.
O.15. 3	S. Fagbo	Urban Climatic Influences on the Transmission of Vector-Borne Zoonoses.

3 September 2003, Wednesday**8.30-10.30 Session No. 16 Urban climate models - UBL**

O.16. 1	M.J. Best, C.S.B. Grimmond, M.G. Villani	Just How Difficult Can it Be to Model Urban Areas?
O.16. 2	Y.-A. Roulet	Modelling of Urban Effects Over the City of Basel (Switzerland) as a Part of the BUBBLE Project.
O.16. 3	E.S. Krayenhoff, A. Martilli, B. Bass, R.B. Stull	Mesoscale Simulation of Urban Heat Mitigation Strategies in Toronto, Canada.
O.16. 4	W. Sha	Development of Dynamical Core for a New Urban Atmospheric Numerical Model.
O.16. 5	K. Harayama, R. Ooka, S. Murakami	Study on the Structure of Urban Heat Island in Tokyo Metropolitan Area by Meteorological Mesoscale Model Incorporated With the Urban Canopy Model.

8.30-10.30 Session No. 17 Precipitation and humidity

O.17. 1	J.A. Crawshaw, P.J. Beggs	Impacts of Urbanisation on Rainfall in Sydney, Australia.
O.17. 2	N. Sato, M. Takahashi	Possible Anthropogenic Changes in Midsummer Precipitation in the Tokyo Area.
O.17. 3	R.D. Bornstein, K.J. Craig Jr, T.G. Tesfamicael	MM5 Simulations of Urban Induced Daytime and Nighttime Convective Precipitation over Atlanta.
O.17. 4	T. Mikami, W. Morishima, T. Nagaho	An Extremely Heavy Rainfall in Tokyo and Its Relation to Urban Heat Island Phenomena.
O.17. 5	S. J. Burian, J. M. Shepherd, P. Hooshalsadat	Long-Term Precipitation Modification Caused by Urbanization.
O.17. 6	D. Rosinski	Spatial and Temporal Variations of Air Humidity in Wroclaw.

8.30-10.30 Session No. 18 Wind and building, road climate

O.18. 1	M. Gloria Gomes, A. Moret Rodrigues, P. Mendes	Wind Effects on and around L- and U-Shaped Buildings.
O.18. 2	M. Sandberg, U. Westerberg, L. Claesson	Catchment Area – A New Approach to Urban Windiness.
O.18. 3	B. Mills, J. Andrey	Driving under the Influence—of Weather: A Canadian Case Study of Relative Risk.
O.18. 4	J. J. True, M. Sandberg, P. Heiselberg, P.V. Nielsen	Cross Ventilation Analysed as a Wind Catchment Phenomena.
O.18. 5	T. Fujino, K. Ohnishi, Y. Kondo, T. Asaeda	Capturing and Sustaining Water for Vaporization from Road/Urban Materials by Adding Calcium Chloride.

11.00-13.00 Session No. 19 Urban climate models - UCL

O.19. 1	H. Kondo, Y. Genchi, A. Kanazawa, Y. Kikegawa, H. Komiyama	Numerical Simulation of a Canopy Scale Temperature Variation in Tokyo.
O.19. 2	Y. Ashie, V.T. Ca	Analysis of Urban Heat Island in Tokyo by Considering the Heat Transfer Characteristics of Urban Canopy Layer.
O.19. 3	D. Groleau, F. Fragnaud, J.-M. Rosant	Simulation of the Radiative Behavior of an Urban Quarter of Marseille with the SOLENE Model.
O.19. 4	F.S. Lien, E. Yee	Modelling Wind Flow and Turbulence Through a Large Regular Array of 3-D Buildings Using a Distributed Drag-Force Approach.

11.00-13.00 Session No. 20 Design - comfort

O.20. 1	G. Mills	The Meteorologically Utopian City Revisited.
O.20. 2	F. Ali Toudert, H. Mayer	Street Design and Thermal Comfort in Hot and Dry Climate.
O.20. 3	E. Sad de Assis	Integrating Predictive Methods in Urban Climatology and in Architecture For Planning Thermal Comfort in Urban Design: A Case Study of the Tropical City of Belo Horizonte, Brasil.
O.20. 4	J.G. Sang, B.M. Wang, H.G.C. Woo, B.Y. Zhang	Atmospheric Environment Assessment of Beijing CBD.
O.20. 5	A. Hoyano, K. Nakaookubo, T. Asawa, S. Yamamura	Development of a Simulation System for Bioclimatic Design Using 3D-CAD - Prediction of the Surface Temperature Distribution and Thermal Radiant Field in Outdoor Spaces.
O.20. 6	M.R. Emmanuel	Urban Form Manipulation for Street-Level Bioclimate Improvement in the Equatorial Tropics: A case Study From Colombo, Sri Lanka.

16.15-17.35 Session No. 21 Urban climate models - hardware

O.21. 1	D. Pearlmutter, P. Berliner, E. Shaviv	Development of a Scale-Modeling Technique for Urban Microclimatic Analysis.
O.21. 2	K.-I. Narita	Wind Tunnel Experiment on Convective Transfer Coefficient in Urban Street Canyon.
O.21. 3	R.W. Macdonald, C.E. Ejim	Flow and Dispersion Modeling in an Array of 4:1 Aspect Ratio Obstacles.

16.15-17.35 Session No. 22 Global change & cities

O.22. 1	M.J. Best, R.A. Betts	The Impact of Climate Change on Our Cities.
O.22. 2	G. Levermore, D. Chow	Climate Change Test Reference Years for Buildings and the Urban Environment.
O.22. 3	E. Jauregui	Impact of Increasing Urbanization on the Thermal Climate of Large Mexican Cities.
O.22. 4	K.G. Rubinstein	Temperature and Precipitation Regime of Moscow and New York During the Last Century.

16.15-17.35 Session No. 23 Design – air quality

O.23. 1	A. Yoshida	Environmental Analysis on Thermal and Air Quality in Okayama City Area for Urban Planning.
O.23. 2	S. Miao, W. Jiang, X. Wang	Impact Assessment on Meteorology and Atmospheric Environment by City Sub-Domain Planning.
O.23. 3	T.K. Thiis	Improving Street Level Pollution Dispersion by Means of Appropriate City Layout.

4 September 2003, Thursday**8.30-10.30 Session No. 24 Climate effects I - water and parks**

O.24. 1	M. Robitu, M. Musy, D. Groleau, C. Inard	Thermal Radiative Modelling of Water Pond and Its Influences on Microclimate.
O.24. 2	H. Saaroni, E. Maza, B. Ziv	Summer Sea Breeze in the Gulf of Eilat and Its Effect on the Climate of Eilat City.
O.24. 3	T. Honjo, K. Narita, H. Sugawara, T. Mikami, K. Kimura, N. Kuwata	Observation of Cool Island Effect in Urban Park (Shinjuku Gyoen).
O.24. 4	O. Potchter, P. Cohen, Y. Yaakov, A. Bitan	The Climatic Behavior of Various Types of Urban Parks in Coastal Mediterranean City During the Summer - The Case Study of Tel Aviv, Israel.
O.24. 5	L. Bacci, M. Morabito, A. Raschi, F. Ugolini	Thermohygrometric Conditions of Some Urban Parks of Florence (Italy) and Their Effects on Human Well-Being.

8.30-10.30 Session No. 25 Remote sensing - profilers

O.25. 1	K. Bozier, Ch. Collier	Measurement of Wind Profiles and Backscattered Intensity within Cities Using Doppler Lidar.
O.25. 2	M.N. Khaikine, I.N. Kuznetsova, E.A. Miller	Investigation of Time-Spatial Parameters of Urban Heat Island on Data of Remote Temperature Measurements of Atmospheric Boundary Layer.
O.25. 3	R.D. Kouznetsov	Estimates of Vertical Turbulence Structure by Sodar in the Urban Air Basin.
O.25. 4	M. Kallistratova	Application of Sodar to Study the Urban Climate: A Review.
O.25. 5	E.N. Kadygrov	Microwave Temperature Profilers – Application For Urban Climate Investigations.
O.25. 6	S. J. Burian, S. P. Velugubantla, S.R.K. Maddula, J. Ching, S. Dupont, T.L. Otte	Processing Airborne Lidar Data to Compute Urban Canopy Parameters: Results and Lessons Learned.

11.00-13.00 Session No. 26 Climate effects II – trees & plants

O.26. 1	N. Lanfer	Thermal Growth Conditions of Non-Native Plants from the City Center to the Outskirts of Berlin.
O.26. 2	K. Sasaki, A. Mochida, R. Ooka, S. Murakami, S. Yoshida, H. Yoshino, K. Harayama	Evaluation of the Impacts of Urban Tree Planting in Tokyo Based on Thermal Metabolism Model.
O.26. 3	A. Raschi, G.M. Lanini, F. Ugolini, L. Sanita Di Toppi, L. Bacci, M. Morabito, R. Tognetti, F. Bussotti	Ecophysiology of Evergreen Trees in the Urban Area of Florence.
O.26. 4	J.G. Tsutsumi, A. Ishii, T. Katayama	Quantity of Plants and Its Effect on Local Air Temperature in An Urban Area.
O.26. 5	V.L. Barradas	Advection Effect on Transpiration of Urban Isolated Trees in Mexico City.

11.00-13.00 Session No. 27A Remote sensing – thermal I

O.27A. 1	B. Dousset, S. Kermadi	Satellites Observation over the Marseille-Berre Area, During the UBL/CLU - Escompte Experiment.
O.27A. 2	B. Dousset, F. Gourmelon	Surface Temperatures of the Paris Basin During Summertime, Using Satellite Remote Sensing Data.
O.27A. 3	B. Offerle, C.S.B. Grimmond, K. Fortuniak, T.R. Oke, K. Klysik	Temporal Variability of Heat Fluxes over a Northern European Downtown.
O.27A. 4	Zs. Dezso, J. Bartholy, R. Pongracz, Z. Barcza	Application and Problems of Remotely Sensed Thermal Information to Urban Climatology.
O.27A. 5	E. Parlow, G. Rigo, L. Zecha	Spatial Distribution of Net Radiation from Satellite Imagery of the Bubble Test Site.
O.27A. 6	H.J. Ahn	Estimation of Urban Surface Energy Components By an Enhanced Landsat ETM+.

16.15-17.35 Session No. 27B Remote sensing – thermal II

O.27B. 1	J.A. Voogt, C.A. Soux	Modification and Testing of a 3-D Urban Surface-Sensor-Sun Model to Estimate Urban Thermal Anisotropy.
O.27B. 2	Y. Goldreich	Urban Heat Island Center at Ground and Top of Canopy Layer Determined by an Airborne Thermal IR Image
O.27B. 3	M.A. Lokoshchenko	Sodar Observations of the “Heat Island” Effect Above Moscow and Other Cities.

16.15-17.35 Session No. 28 Anthropogenic heat

O.28. 1	A. Roa-Espinosa, J.M. Norman, T.B. Wilson	Modeling the Effect of Summertime Heating on Urban Runoff.
O.28. 2	T. Kinouchi	Influence of Urban Heat Island and Energy Use Effluent Water Temperature from Sewage Treatment Plants.
O.28. 3	D.J. Sailor, Lu Lu, H. Fan	Estimating Urban Anthropogenic Heating Profiles and Their Implications for Heat Island Development.
O.28. 4	D. Narumi, Y. Shimoda, A. Kondo, M. Minoru	Effect of Anthropogenic Waste Heat upon Urban Thermal Environment Using Mesoscale Meteorological Model.

16.15-17.35 Session No. 29 UBL

O.29. 1	M. Deserti, G. Bonafe', E. Minguzzi, F. Tampieri, M. Tagliazucca	The Urban Atmospheric Boundary Layer: Experimental Campaigns and Simulations in Bologna (Italy).
O.29. 2	A. Baklanov et al.	Investigating the Mixing Height in Urban Areas – Recent Advances and Future Needs.
O.29. 3	J. Yang, F. Hu	Results of Some Preliminary Data Analysis of Beijing 325-M Meteorological Tower.

5 September 2003, Friday**8.30-10.30 Session No. 30 Airflow - thermal**

O.30. 1	S. Weber, W. Kuttler	Cold-Air Dynamics of Railway Tracks with Regard to Urban Ventilation – A Case Study in Consideration of the Surface Energy-Balance.
O.30. 2	A. Lemonsu, G. Pigeon, V. Masson, P. Durand, F. Said	Sea-Town Interactions over Marseille – Part I: 3D Urban Boundary Layer Structure.
O.30. 3	G. Pigeon, A. Lemonsu, V. Masson, P. Durand,	Sea-Town Interactions over Marseille - Part II: Consequences on Atmospheric Structure Near the Surface.
O.30. 4	N. Kiyota, T. Kiyota, E. Shotoh	The Research on the Effect on Heat Island Reduction of the Land and Sea Breeze in Urban Area. Part 2 On the Relation between Air Temperature in City and Land and Sea Breeze.
O.30. 5	M. Motamedi, A. Aliakbari Bidokhti	Tehran Circulation Systems.
O.30. 6	M.W. Rotach, A. Christen, R. Vogt	Profiles of Turbulence Statistics in the Urban Roughness Sublayer with Special Emphasis to Dispersion Modeling.

8.30-10.30 Session No. 31 GIS / surface description

O.31. 1	N. Long, P.G. Mestayer, C. Kergomard	Urban Database Analysis for Mapping Morphology and Aerodynamic Parameters: the Case of St Jerome Sub-Urban Area, in Marseille During Escompte.
O.31. 2	H. Watanabe, Y. Jyunimura	Applications of Geographic Information System to Analysing and Representing the Urban Hest Island.
O.31. 3	L.C.L. Souza, D.S. Rodrigues, J.F.G. Mendes	The 3DSKYVIEW Extension: An Urban Geometry Access Tool in a Geographical Information System.
O.31. 4	S. Grossman-Clarke, J.A. Zehnder, W.L. Stefanov	Effects of Urban Land Cover Modifications in a Mesoscale Meteorological Model on Planetary Boundary Layer Characteristics in a Semi-Arid Metropolitan Area.
O.31. 5	V. Masson, J.-L. Champeaux, F. Chauvin, C. Meriguet, G. Pigeon	ECOCLIMAP: A Global database of Land Surface Parameters at 1-km Resolution in Meteorological and Climate Models.

11.00-13.00 Session No. 32 Long-term records

O.32. 1	J. Wibig	Heating Degree Days and Cooling Degree Days Variability in Lodz in the Period 1931-2000.
O.32. 2	I. Koleva-Lizama, B. Lizama Rivas	Study on Urban Climate Change in Several Cities of Bulgaria.
O.32. 3	T. Rozbicki, D. Golaszewski	Analysis of Local Climate Changes in Ursynow in the Period 1960-1991 as a Result of Housing Estate Development.
O.32. 4	J. Wibig	Variability and Trends in Cloud Characteristics in Lodz in the Period 1951-2000.

O.32. 5	M. Mietus, J. Filipiak	The Patterns of Thermal Conditions in the Area of the Southern Coast of the Gdansk Gulf (N Poland).
O.32. 6	M.R. Witiw, K.W. Fischer, J.A. Baars	Urban Influences on Visibility.
O.32. 7	G. Ren, G. Tang, X. Lin, D. Chen, X. Liu, Q. Li, Y. Wang	Effect of urbanization on surface air temperature series of the last 50 years in Mainland China
O.32. 8	S. Gbuyiro	The Effect of Some Climatic Elements and Global Parameters on Urban Lagos Climate.

11.00-13.00 Session No. 33 Airflow – canyon flows

O.33. 1	J.F. Barlow, S.E. Belcher, I.D. Longley	Observations of Turbulent Exchange Between a Street Canyon and the Urban Atmosphere.
O.33. 2	I.N. Harman, J.F. Barlow, S.E. Belcher	The Turbulent Exchange Within and Urban Street Canyon.
O.33. 3	J.-J. Kim, J.-J. Baik	Flow Regimes in Urban Street Canyons With Bottom Heating.
O.33. 4	D. Zajic, H.J.S. Fernando, M.J. Brown, J.-J. Kim, J.-J. Baik	Flow and Turbulence in Simulated City Canyons; Measurements and Computations.
O.33. 5	M. Kanda	LES Study on Turbulent Organized Structures in and Above Urban Canopy.
O.33. 6	H. Liu, B. Liang, F. Zhu, B. Zhang, J. Sang	A Laboratory Model of the Flow in Urban Street Canyons Induced by Bottom Heating.

16.15-17.35 Session No. 34 Measurement

O.34. 1	Y. Nakamura, M. Tsujihara, H. Kagawa	Observation of Solar and Long-Wave Radiation Fields in Urban Canyon by Using a Cubic Radiometer.
O.34. 2	R.M. Reynolds, R.D. Bornstein, T.R. Oke, S.R. Hanna	An Urban Atmospheric Observatory For New York City.
O.34. 3	T.R. Oke	Towards Guidance for siting of, and Instrument Exposure at, 'Standard' Climate Stations Located in Built-up Areas.
O.34. 4	K.E. Runnalls, T.R. Oke	A Technique to Detect Microclimatic Inhomogeneities in Historical Temperature Records.

16.15-17.35 Session No. 35 Airflow - transport

O.35. 1	S.R. Hanna	Tracer Cloud Transport in Salt Lake City and Los Angeles.
O.35. 2	M.J. Alcoforado, A. Lopes	Wind Fields and Temperature Patterns in Lisbon (Portugal) and Their Modification Due to City Growth.
O.35. 3	A. Lopes	Local Wind Changes With Different Roughness Simulated in a Wind Tunnel: An Example of Application to a City District in the North of Lisbon.
O.35. 4	H. Takebayashi, M. Moriyama, H. Shibaie	Improvement of Outdoor Thermal Environment Using Cold Air Drainage in a Build-up Area Facing the Mouth of a Valley.

Posters

1 September 2003, Monday

14.45-17.35 Poster Session No. 1

P.1.1	L. Katschner, U. Bosch, M. Rottgen	A Methodology for Bioclimatic Microscale Mapping of Open Spaces.
P.1.2	G. Zarnowiecki	Sultry Weather Characteristics in Kielce.
P.1.3	J. Goyette-Pernot, R. Compagnon	Ruros (Rediscovering the Urban Realm and Open Spaces) Project: Two Case Studies in Fribourg, Switzerland.
P.1.4	A. Gulyas, J. Unger, A. Matzarakis	Analysis of the Thermophysiological Significant Conditions within a Medium-Sized City with Continental Climate (Szeged, Hungary).
P.1.5	A. Gulyas, L. Lakatos, Z. Sumeghy, T. Gal	Spatial Distribution of the Phenological Phases and Urban Heat Island in the Cases of Two Hungarian Cities.
P.1.6	J.M. Raso, L. Gomez, M.C. Moreno	Relationship Between Some Atmospheric Features (Temperature, Pressure and Pollutants) and the Human Mortality in Barcelona During the Cold Months.
P.1.7	L. Makra, J. Puskas, L. Nowinszky	Influence of Meteorological Events, Measured in the Town For Flight Activity of Moths
P.1.8	K. Blazejczyk, A. Kunert	Bio-Thermal Conditions in Warsaw.
P.1.9	A. Tzenkova, I. Kandjov, J. Ivancheva	Some Biometeorological Aspects of Urban Climate in Sofia.
P.1.1 0	V. Gburcik, V. Gburcik, Lj. Marcetic, S. Tosovic	Topoclimate and Air Pollution Effects on Respiratory Diseases Occurrences in Belgrade.
P.1.1 1	Ch.J. Balafoutis, T.J. Makrogiannis	Hourly Discomfort Conditions in the City of Thessaloniki (North Greece) Estimated by the Relative Strain Index (RSI).
P.1.1 2	Z. Ustrnul	Day-To-Day Air Pressure Changes as the Bioclimatic Indicator.
P.1.1 3	H. Andrade	Microclimatic Variations of Thermal Comfort in a Lisbon City District.
P.1.1 4	J. Kysely, B. Kriz	Heat Waves and Mortality in the Czech Republic.
P.1.1 5	S. Orlandini, L. Cecchi, A. Crisci, V. Digiesi, G. F. Gensini, G. Maracchi, M. Morabito	Investigation on the Effect of Urban Climate on Human Health in the Area of Florence (Italy).
P.1.1 6	D. Grass	Partitioning the Effects of Weather and Air Pollution on Human Mortality in Santiago, Chile: 1988-1996
P.1.1 7	V. Petrushenko, A. Pokrovskaya.	The Influence of Meteorological and Ecological Factors on the Green Plantations of a Big City.
P.1.1 8	T. Lipatova	Long-term Bioclimate of a Man Changes in the Condition of the Urban Surroundings of South-West Siberia
P.1.1 9	O. Borsova, A. Karnovitch	Investigation of Natural Ecological Factors Influence on Human Health.
P.1.2 0	V.L. Barradas, Q. Agulo-Cordova	Human Bioclimate in Sixteen Tropical Urban Locations of Tabasco State, Mexico.

P.1.2 1	V.I. Rusanov	Medical-Climatic Safety Securing of the Person in North of Russia.
P.1.2 2	J. Shaykewich, A. Maarouf	Heat Stress and Excess Mortality in Canadian Cities.
P.1.2 3	Y. Das, B. Padmanabhamurty, A.S.N. Murty	Aspects of Thermal Discomfort During Summer over a Tropical City Delhi (India).

2 September 2003, Tuesday**8.30-13.00****Poster Session No. 2**

P.2.1	M. Ratheiser	Objective Analysis of Vienna' s Heat Island.
P.2.2	A. Bokwa	Temperature Lapse Rates in the Air Near the Ground in Urban and Rural Areas.
P.2.3	A. Bokwa	Educational Materials on Urban Climate within the Project ESPERE-ENC
P.2.4	Y.-H. Kim, J.-J. Baik, B.-Ch. Choi	Maximum Urban Heat Island Intensity in Large Cities of Korea.
P.2.5	M. Szymanowski	Spatial Structure of the Urban Heat Island in Wroclaw, Poland.
P.2.6	M.A. Saz Sanchez, S.M. Vicente Serrano, J.M. Cuadrat Prats	Spatial Patterns Estimation of Urban Heat Island of Zaragoza (Spain) Using GIS.
P.2.7	S.M. Vicente Serrano, J.M. Cuadrat Prats, M.A. Saz Sanchez	Topography and Vegetation Cover Influence on Urban Heat Island of Zaragoza (Spain).
P.2.8	J. Junk, A. Helbig	Heat Island and Thermal Comfort in the City of Trier.
P.2.9	Y. Jyunimura, H. Watanabe	The Guideline of Urban Environmental Planning Based on Observing Air Temperature For Sendai City Area.
P.2.1 0	J. Martín-Vide, M. Carmen Moreno, P. Esteban	Spatial Differences in the Urban Heat Island of the Pre- and the Post-Olympic Barcelona (Spain).
P.2.1 1	P. Piotrowski	The Relationships Between the UHI and Synoptic Situations - Lodz Study.
P.2.1 2	J. Unger, Z. Bottyan, B. Balazs, P. Kovacs, R. Geczi	A Statistical Model for Estimating Mean Maximum Urban Heat Island.
P.2.1 3	E. Zmudzka, U. Kossowska-Cezak, M. Dobrowolska	Circulation's Requirements of the Urban Heat Island Variations in Warsaw.
P.2.1 4	M.J. Alcoforado, H. Andrade	Nocturnal Urban Heat Island in Lisbon (Portugal): Main Features and Modelling Attempts.
P.2.1 5	Z. Sumeghy, J. Unger, B. Balazs, Z. Zboray	Seasonal Patterns of the Urban Heat Island.
P.2.1 6	J.P. Montavez, J.F. Gonzalez-Rouco, F. Valero	A Study of the Three-Dimensional UHI by Using a Mesoscale Model.
P.2.1 7	G. Tomasini Maitelli, S. Costa Souza, J. Goncalves de Pinho	The Magnitude of Urban Heat Island in the Tropical Continental Areas in Brazil.
P.2.1 8	H. Sugawara, D.W. Ji, K. Tomine	Re-Examination of City Air Temperature in Heat Island Intensity Evaluation: Case Study in Seoul Korea.
P.2.1 9	A. Kircsi, S. Szegedi	Temperature Profiles in Debrecen, Hungary.
P.2.2 0	L. Lizuma, J. Balodis	Intensity and Dynamics of Urban Heat Island in Riga.
P.2.2 1	L.Yu. Shardakova	Heat Island and Assessment of Free Air State of Tashkent City.
P.2.2 2	U.S. De	Urban Climate and Development – The Indian Scenario.

P.2.2 3	O.A. Ediang	Urban Heat Island over Akure, During Harmattan in Nigeria.
P.2.2 4	G.N. Semyonova	Some Results of Temperature Inversion Comparison in Ufa (Bashkortostan) and its Suburb.
P.2.2 5	Y. Das, B. Padmanabhamurty, A.S.N. Murty	Spatial and Temporal Variation of Heat Islands over Delhi, India.
P.2.2 6	E. Bednorz	Differences in the Air Temperature at Two Meteorological Stations in the Poznan Area.

14.45-17.35 Poster Session No. 3

P.3.1	R. Moriwaki, M. Kanda	Seasonal and Diurnal Variations of Radiation, Heat, Water Vapor and CO ₂ Fluxes over a Suburban Area.
P.3.2	M. Carmen Moreno, E. Jauregui, A. Tejada	On the Role of Humidity Advection in the Energy Balance Partitioning of Central Barcelona (Spain).
P.3.3	B. Offerle, P. Jonsson, I. Eliasson, C.S.B. Grimmond	Preliminary Investigation of Energy Balance Fluxes in Ouagadougou, Burkina Faso.
P.3.4	M. E. Yassen	The Relationships Between Dust Particulates and Meteorological Parameters in Kuala Lumpur and Petaling Jaya, Malaysia.
P.3.5	M.E. Yassen	Variations and Trends in CO Concentration in Kuala Lumpur and Petaling Jaya, Malaysia.
P.3.6	A. Helbig, J. Junk	The Influence of the Moselle Valley on Urban Air Quality at Trier / Germany.
P.3.7	A.Y. Yurova, I.N. Kuznetsova	Gas Composition Variability of Polluted City Air Influenced by Synoptic and Mesoscale Processes.
P.3.8	L. Osrodka, M. Wojtylak, E. Krajny	Forecasting of High-Level Air Pollution in Urban-Industrial Agglomeration by Means of Numerical Weather Forecasting.
P.3.9	J. Eichhorn	Numerical Modeling of Urban Air Quality: an Extension to the Flow and Dispersal Model MISCAM.
P.3.1 0	I. Sliwka, D. Limanowka, M. Jackowicz-Korczynski, J. Lasa	Comparison of Chosen Meteorological Characteristics and Five-Year Record (1997-2002) of Halogenated Compounds Concentration in Air of Krakow.
P.3.1 1	N. Ringenbach, G. Najjar, M.P. Stoll, F. Nerry, J. Labeid-Nachbrand	Combination of Remote Sensing, Surface Measurements and Modeling to Assess Urban Canyon Energy Balance Components.
P.3.1 2	I. Goncalves dos Santos, H. Gazzola de Lima, E. Sad de Assis	A Comprehensive Approach of the Sky View Factor and Building Mass in an Urban Area of the City of Belo Horizonte, Brazil.
P.3.1 3	T.H. Soerawidjaja, U.W. Siagian, A. Tahar, R.M. Shrestha, G. Anandarajah	Environmental Emissions Mitigation Scenarios in Transport Sector Integrating Multiple Mitigation Options: Case of Jakarta and Bandung.
P.3.1 4	E. Putz, T. Krobath, A. Gobiet, R. Maderbacher	Investigation of H ₂ O in the Boundary Layer of an Urban Atmosphere.
P.3.1 5	M. Chandra Sekhar	Airborne Metallic Particulates from Urban Sources in a Growing Tropical Town.
P.3.1 6	W.O. Ayoma	The Space-Time Characteristics of Respirable Suspended Particulate Matter in Nairobi.

P.3.1 7	A. Ouldbba	Results of an Air Pollution Measurement Campaign in Casablanca: A Warning System Embryo.
P.3.1 8	J. Tan , D. Shao, J. Huang, M. Jiang	Summary of the Air Quality Index Forecast in Shanghai.
P.3.1 9	I.T. Penkov, B.M. Borissova	Pollution of the Close to the Ground Air Layer in Sofia During the Autumn-Winter Season.

3 September 2003, Wednesday**8.30-13.00 Poster Session No. 4**

P.4.1	Y. Sawada, H. Takahashi, S. Yamashita	Statistical Extraction of Urban-Affected Rainfall Property in and Around the Tokyo Metropolitan Area, Japan, in Summer.
P.4.2	T. Brys, Z. Caputa, J. Wibig, K. Brys, K. Fortuniak	Humidity Gradients in Urban Environments on the Example of Wroclaw, Sosnowiec and Lodz.
P.4.3	B.-C. Choi, Y.-H. Kim, H.-T. Kim, H.-H. Um	Characteristics of the Seasonal Variation of Radiative Energy at Kwangneung Arboretum of Korea.
P.4.4	A. Hagishima, J. Tanimoto	Sensitivity Analysis of Factors of Urban Heat Islands of Various Meteorological Regions Using the Urban Canopy Model.
P.4.5	A. Kniffka, J. Eichhorn, T. Trautmann	Sensitivity Studies and Evaluation of the Microscale Flow Model MISCAM: The Effect of Momentum Advection.
P.4.6	W. Pawlak, K. Fortuniak	Application of Physical Model to Study Effective Albedo of the Urban Canyon.
P.4.7	K. Fortuniak	Effective Albedo of the Urban Canyon Simulated with the Model Considering Infinite Reflections between Finite Surfaces.
P.4.8	H. Kusaka, F. Kimura, F. Chen, H. Hirakuchi	Coupling a Single-Layer Urban Canopy Model with an Atmospheric Model.
P.4.9	N. Lanfer	The Integration of Urban Climatology in the Postgraduate Research and Study Programme Graduiertenkolleg 780, "Perspectives on Urban Ecology".
P.4.1 0	A. Podstawczynska, W. Pawlak	Daily Course of Ultraviolet and Total Solar Radiation in an Urban Canyon – Lodz Case Study.
P.4.1 1	I. Knez	Memories for Climate and Places.
P.4.1 2	Y. Yamazoe	Recent Change of Temperature-Humidity Index in Tokyo.
P.4.1 3	T. Niedzwiedz, M. Lesniok, Z. Caputa, A. Widawski, Z. Puszczewicz	Climate Research Issues of Urban and Industrial Areas of Department of Climatology, Faculty of Earth Sciences, University of Silesia.
P.4.1 4	T. Charciarek	Daily Course of Vapour Pressure and Relative Humidity at Urban and Rural Site in Lodz.
P.4.1 5	N.N. Uliumdzhieva, N.Ye. Chubarova	Aerosol Properties over Urban Region (on the Example of Moscow Megalopolis).
P.4.1 6	L. Kolendowicz	Influence of Air Temperature and Humidity on Frequency of Thunderstorms Occurring in Suwalki in Poland.
P.4.1 7	T. Kawai, M. Kanda	A Simple 3D Urban Street Canyon Model for Meso Scale Simulation.
P.4.1 8	J.L.B. Moreira	A Study on the Rain Spatial Distribution in the City of Belo Horizonte, Brazil, and Its Surroundings.
P.4.1 9	Th. Theodosiou	The Influence of Urban Open Spaces' Microclimate on Their Seasonal Utilisation in the Mediterranean Area.
P.4.2 0	E. Bednorz, K. Szyga-Pluta	Increase in Snow Cover Depth at Particular Cloud Types Appearance in Poznan and Szczecin.
P.4.2 1	O. Klemm	Urban Air Pollution as Educational Vehicle.

14.45-17.35 Poster Session No. 5

P.5.1	E. Lahme, M. Bruse	Microclimatic Effects of a Small Urban Park in Densely Built-Up Area: Measurements and Model Simulations.
P.5.2	B. Givoni, H. Saaroni	Predicted Sun Exposed Irrigated Lawn Temperatures.
P.5.3	Y. Kikegawa, H. Kondo, Y. Genchi, K. Hanaki	Evaluation of Countermeasures Against Urban Heat Island with the Consideration of Interaction between Urban Thermal Environment and Building Energy Use.
P.5.4	K. Jesionek, M. Bruse	Impacts of Vegetation on the Microclimate: Modeling Standardized Building Structures with Different Greening Levels.
P.5.5	K. De Ridder, A. Banuelos, J. Dufek, O. Damsgaard, M. Bruse, C. Weber	First Results from the Bugs Project.
P.5.6	K. E. Arrington, A. Roa-Espinosa, S.J. Ventura J.M. Norman	Development of Educational Material about the Thermal Impact of Impervious Surfaces.
P.5.7	T. Honjo, D. Sawada	Analysis of Surface Temperature in Urban Green Spaces by Using Landsat TM Data.
P.5.8	Y. Hirano, Y. Yasuoka, T. Ichinose	Evaluation of Vegetation Effect on Urban Climate by Coupled Simulation of Satellite Remote Sensing and Local Meteorological Model.
P.5.9	T. Ichinose, T. Mikami, K. Niitsu, Y. Hirano	Counteractions for Urban Heat Island in Regional Autonomies: Activities in Councils of Moe, Japan.
P.5.1 0	C. Georgakis, M. Santamouris	Experimental Measurements in Five Pedestrian Streets in Athens During Summer 2001.
P.5.1 1	T. Alvim, G.M. Barbirato	Climatic Profile of a Great Avenue in a Hot and Humid Tropical Climate City.
P.5.1 2	A.K. Sinha	Sustainability of Urban Ground Water Resources vis-a-vis Soil Moisture Availability with Special Reference to India.
P.5.1 3	A.K. Sinha, Anup Sharma	Impact of Urbanisation on Ground Water: A Study From Jaipur City and Its Hinterland, India.
P.5.1 4	A.R. Shahabfar	One-Dimensional St. Venant Equations Solution in Three Numerical Methods for Kameh Watershed.
P.5.1 5	J.R. Simpson, E.G. McPherson	Tools or Quantifying the Climate Effects of Trees on Urban Forest Benefits.

4 September 2003, Thursday**8.30-13.00 Poster Session No. 6**

P.6.1	F. Davies, Ch. Collier	Measurements of Turbulence Spectra in the Urban Boundary Layer.
P.6.2	I.N. Kuznetsova, E.N. Kadygrov, M.N. Khaikine	Investigation of Megapolicy Influence to the Atmospheric Boundary Layer on the Basis of Passive Microwave Remote Sensing Data.
P.6.3	A. Tzenkova, J. Ivancheva, P. Videnov	Long Term Regime of Heat Island of Sofia.
P.6.4	A. Wypych	Vapour Pressure Variability in Cracow in the 20 th Century.
P.6.5	E. Erell, V. Leal, E. Maldonado	The Measurement of Air Temperature in the Presence of Strong Solar Radiation.
P.6.6	G. Rigo, L. Zecha, E. Parlow	Validation of Satellite Longwave Emission with in-situ Measurements During Bubble.
P.6.7	L. Zecha, E. Parlow, G. Rigo, D. Oesch	Influence of Land Use on Diurnal Course of Longwave Emissions (NOAA-AVHRR, MODIS and Landsat-ETM) During Bubble.
P.6.8	A. Drzeniecka	Sodar Application for Air Pollution Meteorology.
P.6.9	T. Tirabassi	The Representative Day as a Typical Period Trend in Urban Area.
P.6.1 0	T.A. Trifonova, N.V. Mishchenko	The Research of Atmospheric Pollution of Industrial Cities by Remote Sensing.
P.6.1 1	B. Kifle	Urban Heat Island and its Feature in Addis Ababa (A Case Study)
P.6.1 2	G. Kurbatov	Using Sodar in the Study of Wind Field over Moscow.
P.6.1 3	M.A. Lokoshchenko, A.A. Isaev,	Influence of Moscow City on the Air Temperature in Central Russia.
P.6.1 4	A. Velazquez-Lozada, J.E. Gonzalez, A. Winter, P.J. Mulero	Urban Heat Island Studies for San Juan, Puerto Rico.
P.6.1 5	C. Zamparoni	Process of Deforestation and the Climatic Variations in the Small City - Sorriso, Mato Grosso - Brazil.
P.6.1 6	S. Boychenko, V. Voloshchuk	Comparative Statistical Estimations of Reaction of Climatic Conditions of Large Industrial and Small Cities on Global Warming.
P.6.1 7	O.F. Omidiora	Climate of Cities Urban Heat Island and Urban Induced Precipitation, Effect on Humanity.

14.45-17.35 Poster Session No. 7

P.7.1	S. Palmieri, A.M. Siani, G.R. Casale, G. Colella	Indoor Climate of a 14 th Century Church.
P.7.2	T.J. Makrogiannis, C.J. Balafoutis	Heating Degree Days in City of Thessaloniki-Greece as an Index of the Atmospheric Pollution
P.7.3	B. Crawford, S. Grimmond, B. Offerle	Investigations of Anthropogenic Heat Flux: A Physical Model and Real World Estimations.
P.7.4	S. Yoon, Y. Ashie	Experimental Examination About the Influences of the Shape of Buildings on Temperature Distribution in an Urban Block.
P.7.5	W. Pawlak, M. Siedlecki	Radiation Temperatures of the Different Vertical Surfaces of the Buildings in Lodz.
P.7.6	E.G. Golovina, O.M. Stupishina, O.V. Tenilova	Anthropogenic Effects of Atmospheric and Geophysical Parameters on the Human Organism.
P.7.7	A. Kannari, T. Mikami, T. Izumi	Direct Effect on Temperature Rise by Anthropogenic Heat Injection into Urban Atmosphere.
P.7.8	A. Moret Rodrigues, M. Gloria Gomes, A. Canha da Piedade	Wind Environment Around Building Complexes.
P.7.9	T. Fujino, M. Tsubomatsu, H. Tomioka, T. Ito, T. Asaeda	A Method for Snow Melting on Shady Streets by Using a Solar Reflective Coating Sheet on Walls.
P.7.1 0	M. Nabeshima, M. Nishioka, N. Miki, S. Tsugou	Evaporative Performance of Permeable Pavement Materials in Summer.
P.7.1 1	R. Nakamatsu , J.G. Tsutsumi, R. Arakawa	Relations of Energy Consumption and Local Climate in a Subtropical Region.
P.7.1 2	R. Geczi, K. Bodis	Assessment of Thermal Characteristics of Szeged Urban Area Using GIS.
P.7.1 3	G. Tomasini Maitelli, R. de Carvalho Araujo	Climatic Performance of Built Features in the Tropical Continental Areas.
P.7.1 4	T. Asawa, A. Hoyano, H. Takezawa, K. Shimizu	Field Measurement of Outdoor Microclimates in a Residential Area Heaving Leafy Canopies in Seasonally Hot and Humid Climate.
P.7.1 5	I. Proshkina	Energy Saving Initiatives for Clean Environment at Local Level (Korolev City of Moscow Region)

5 September 2003, Friday**8.30-13.00 Poster Session No. 8**

P.8.1	J. Radosz, A. Kaminski	Topoclimatic Mapping on 1:50 000 Scale. The Map Sheet of Bytom.
P.8.2	H. Vieira, J. Vasconcelos	Urban Morphology Characterisation to Include in a GIS for Climatic Purposes in Lisbon. Discussion of Two Different Methods.
P.8.3	N. Long, S. Kermadi, C. Kergomard, P.G. Mestayer, A. Trebouet	Urban Cover Modes and Thermodynamic Parameters from Urban Database and Satellite Data: A Comparison for Marseille During Escompte.
P.8.4	K. Klemm	Application of CFD to Urban Wind Climate.
P.8.5	M. Siedlecki	Urban-Rural Wind Speed Differences in Lodz.
P.8.6	J. Vogt, H. Lauerbach, M. Meurer, M. Langner	The Influence of Urban Vegetation on Air Flow.
P.8.7	A. Kalnina, M. Cekule, L. Lizuma	Zoning of Climate in Riga City.
P.8.8	K. Fortuniak, W. Pawlak	Chaotic Attractors in Urban Roughness Sub-Layer Turbulence.
P.8.9	M. Telisman Prtenjak, Z. Bencetic Klaic	Modification of the Wind Field Due to Effects of the Hypothetical Extension of Rijeka.
P.8.1 0	T. Kiyota, N. Kiyota, E. Shotoh	The Research on the Effect on Heat Island Reduction of the Land and Sea Breeze in Urban Area. Part 1 on the Structure in the Land and Sea Breeze in Urban Area.
P.8.1 1	O.A. Ediang	Statistics of Sea Breeze over Lagos.
P.8.1 2	V.P. Yushkov, O.A. Tarasova	Modelling of the Urban Microclimate.
P.8.1 3	D.G. Ferreira, E. Sad de Assis	Urban Ventilation Study in the City of Belo Horizonte, Brazil.
P.8.1 4	S.J. Burian, M.J. Brown	Urban Morphological Characteristics of Western U.S. Cities.
P.8.1 5	A. Salcido, A.T. Celada-Murillo, R. Villegas-Martinez, H. Salas-Oviedo, R. Sozzi, M. Nardino, T. Georgiadis	A Micrometeorological Data-Base for Mexico City.