

# IAUC NEWSLETTER

INTERNATIONAL ASSOCIATION FOR URBAN CLIMATE

Issue No. 1  
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[www.geography.ohio-state.edu/UrbanClimate/](http://www.geography.ohio-state.edu/UrbanClimate/)

## President's Introduction

Welcome to the first newsletter of the IAUC. We intend to produce these newsletters every couple of months. The deadlines for submissions for the next newsletters are: November 30; January 30; March 30; May 30; and July 30.

Materials should be submitted to the editor Dr Gerald Mills (University College Dublin) [[gerald.mills@ucd.ie](mailto:gerald.mills@ucd.ie)]. We hope to receive submissions on a broad range of topics, including but not limited to:

- Announcements of upcoming conferences.
- Summary articles on projects that are occurring or have occurred.
- Web pages of interest to the members, with a short summary of the topic and the url.
- Summaries/reviews of conferences.
- Announcements of jobs (please note publication schedule)
- Announcements of student opportunities (please note publication schedule)
- Reviews of urban climate work being conducted in your country/region/institute

Please contact me with other suggestions at [grimmon@indiana.edu](mailto:grimmon@indiana.edu) (note absence of "d" in email username).

Sue Grimmond, President IAUC.

## National sections of IAUC

At Łódź, the Hungarian Association of Urban Climatology was formed by 7 IAUC members representing three different institutions (University of Szeged, University of Debrecen and the ELTE University, Budapest). Professor Tim Oke is the honorary President. The aim of this national section is to link those interested in urban climatology in Hungary, to provide better opportunities to consult with each other and to harmonize their work. The contact person is Janos Unger [[unger@geo.u-szeged.hu](mailto:unger@geo.u-szeged.hu)].

## Current Board Members

John Arnfield (The Ohio State University, USA), *Past Secretary*, 2000- \*

Janet Barlow (University of Reading, UK), 2003-2007

Arieh Bitan (Tel Aviv University, Israel), 2000-2006

Bob Bornstein (San Jose State University, USA), 2000-2005

Krzysztof Fortuniak (University of Lodz, Poland), 2003-2007

Sue Grimmond (Indiana University, USA), *President*, 2000-2007

Kazimierz Klysik (University of Lodz, Poland), *ICUC-5 Local Organizer*, 2001- \*

Helmut Mayer (University of Freiburg, Germany), 2000-2004

Gerald Mills (University College Dublin, Ireland), 2003-2007

Yasuto Nakamura (Prefectural University of Kumamoto, Japan), 2000-2005

Tim Oke (University of British Columbia, Canada), *Past President*, 2000- \*

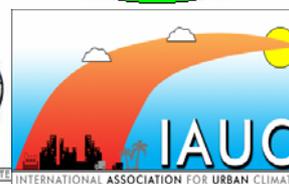
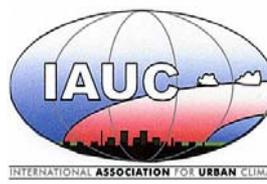
Matthias Roth (National University of Singapore, Singapore), *Secretary*, 2000-2007

James Voogt (University of Western Ontario, Canada), 2000-2006

\* appointed members

## IAUC Logo Competition

The IAUC is currently in the process of selecting a logo which can be used on letterheads, etc. We would like to invite the general membership to submit logos. If you would like to be involved in this process please contact Matthias Roth ([geomr@nus.edu.sg](mailto:geomr@nus.edu.sg)). The logos in this newsletter are a sample of those already been submitted. The closing date for submissions is November 30. Thereafter, one will be selected.



# 5th International Conference on Urban Climate Łódź, Poland.

The 5<sup>th</sup> ICUC conference was held from 1-5 September, 2003 and was organised by the International Association for Urban Climate (IAUC), the World Meteorological Organization and the Department of Meteorology and Climatology at The University of Łódź. Approximately 250 people attended from over 35 countries - in fact, all IAUC members from Japan attended the conference. Such is the strength of the field currently that over 150 papers and 100 posters were presented across the spectrum of urban climate research. This conference has highlighted the rapid development of the field over the last few years. Tim Oke's presidential address focussed on the theme of *reducing solitudes in urban climatology* and exhorted the IAUC to remain as cohesive body in which dialog across the spectrum of urban climate research is maintained.



Łódź was superbly organized and the credit for this must be given to the local organizing committee who provided excellent facilities and exceptional social events.

Gerald Mills (University College Dublin)

(Photo: Chair of the Local Arrangements Committee, Kazimierz Kłysik (University of Łódź), Ken Davidson, representative of WMO, and Tim Oke, past-President of the IAUC).

## Call for ICUC6 proposals

Currently, IAUC is accepting proposals to host ICUC6. If you are interested in hosting this conference in 2006, please contact Sue Grimmond and further details will be provided. Deadline for submission of complete proposals October 31, 2003.

## Łódź Student Competition

At Łódź a committee including Ingegärd Eliasson (Göteborg University, Sweden), Jamie Voogt (University of Western Ontario, Canada), Jennifer Salmond (University of Birmingham, UK), Krzysztof Fortuniak (University of Łódź, Poland) and Peyman Zawar-Reza (University of Canterbury, NZ) evaluated student presentations. The following were selected as exceptional:

### Oral + poster

**Brian Offerle:** Offerle, Grimmond, Fortuniak, Oke & Kłysik, *Temporal variability of heat fluxes over a northern European downtown*  
**Offerle, Jonsson, Eliason & Grimmond** *Preliminary investigation of energy balance fluxes in Ouagadougou, Burkina Faso.*

### Oral

**David Pearlmutter:** Pulmutter, Berliner & Shaviv, *Development of a scale-modelling technique for urban microclimatic analysis.*

**Ian Harman:** Harman, Barlow and Belcher, *The turbulent exchange within an urban street canyon.*

**Andreas Christen:** Vogt, Christen, Rotach, Roth & Satyanarayana, *Fluxes and profiles of CO<sub>2</sub> in the urban roughness sublayer.*

**Aude Lemonsu:** Lemonsu, Pigeon, Masson, Durant & Säid, *Sea-town interactions over Marseilles – Part I: 3D Urban boundary layer structure.*

**Grégoire Pigeon:** Pigeon, Lemonsu, Masson & Durant, *Sea-town interactions over Marseilles – Part II: Consequences on atmospheric structure near the surface.*

**Scott Krayenhoff:** Krayenhoff, Martilli, Bass & Stull, *Mesoscale simulation of urban heat mitigation strategies in Toronto, Canada.*

**Mirela Robitu:** Robitu, Musy, Groleau & Inard, *Thermal radiative modelling of a water pond and its influences on microclimate.*

### Poster

**Ben Crawford:** Crawford, Grimmond & Offerle, *Investigations of anthropogenic heat flux: A physical model and real world estimations.*

**Nathalie Long:** Long, Kermadi, Kergomard, Mestayer and Trébouet, *Urban cover modes and thermodynamic parameters for urban database and satellite data: A comparison from Marseilles during Escompte.*

## IAUC Initiatives

The IAUC has also just gone through its first set of changes its Board membership (see p1). A number of new activities will soon be launched. The first is the establishment of this newsletter. Other new activities that are proposed include the creation of committees on

- Bibliography to be chaired by Dr Jenny Salmond (University of Birmingham) [[j.salmond@bham.ac.uk](mailto:j.salmond@bham.ac.uk)]. This group will make regular contributions to the newsletter about recent publications in urban climatology in journals throughout the world, as well as establish a digital archive of relevant publications. Please contact Jenny if you are interested in working with this group.
- Membership to be chaired by Dr Janet Barlow [[j.f.barlow@reading.ac.uk](mailto:j.f.barlow@reading.ac.uk)]. This committee will ensure that we have up-to-date records of IAUC membership (see p4). This group will also direct attention to recruiting new members, in particular graduate students and urban climatologists working in countries that are currently poorly represented in the Association.
- Teaching Resources to be chaired by Dr Gerald Mills [[gerald.mills@ucd.ie](mailto:gerald.mills@ucd.ie)]. Please contact Gerald if you are interested in working with this group.

In addition the board will establish an award for Outstanding Contributions in Urban Climatology. More details will be forthcoming soon.

Sue Grimmond (Indiana University, USA)

### Thanks to Tim Oke



The Board of the IAUC has just completed the first transition of its members. Professor Timothy (Tim) Oke (University of British Columbia, Canada), the first President of the IAUC, has led the organization from the initial ideas of such a body, through the establishment of the IAUC, through the successful inaugural IAUC organized ICUC meeting (see p2).

Clearly, Tim's leadership in Urban Climatology extends well beyond these administrative duties, however, on this occasion on behalf of the IAUC I would like to thank Tim all his contributions to the founding of this association. Tim has given the IAUC a very solid foundation not only internally through the policies, procedures and membership, but also through the establishment of links to other international organizations (notably, WMO, IUGG, IGU, CIB). Tim will continue to play a key role in the organization through his role of Past President, and as the eminent scientist he is in the field of urban climatology.

Sue Grimmond  
(Indiana University, USA)

### Thanks to John Arnfield



The birthing period of any society is crucial and it is during this time that the basis for its long-term survival is built. The first secretary of IAUC, John Arnfield (Professor Emeritus, Ohio State University), has been instrumental in the development of many of the mechanisms necessary for the structure and running of IAUC. He drafted the current IAUC Board Procedures and Terms, designed the IAUC website, and acted as its first webmaster. Further, John has been running URBCLIM, which promotes communication among IAUC members. It is testimony to his considerable involvement that the current board had to create a number of sub-committees to be able to keep up with all the tasks John in the past has completed on his own.

On behalf of all IAUC members, I would like to express profound gratitude to John for his tireless effort, detailed comments and overall good sense of humour offered during this initial period of IAUC.

Matthias Roth  
(National University of Singapore).

## IAUC MEMBERSHIP

Currently, the IAUC has 714 members from 67 countries. Please encourage your colleagues, graduate students and others working in the field of urban climatology to join the IAUC. Membership is free! To join go to the IAUC website (<http://www.geography.ohio-state.edu/UrbanClimate/>) and select Membership.

The IAUC is a "virtual organization" which relies on the internet to remain in contact with its members. We have no addresses or telephone numbers for the membership so that, if your email address ceases to function, we have no way of remaining in contact. Listed below are the names and last-known affiliation for IAUC members whose email addresses are no longer valid. If you can provide a new address for any of these, please contact the chair of the IAUC membership committee, Janet Barlow [[j.f.barlow@reading.ac.uk](mailto:j.f.barlow@reading.ac.uk)].

### NAME

### LAST-KNOWN AFFILIATION

Traci Arthur	Penn State University, USA
Kyung-On Boo	Meteorological Research Institute, Korea
Ralph Buckisch	Dresden University of Technology, Germany
William C.G. Burns	Pacific Institute for Studies in Development, Environment and Security, USA
Tim Chatterton	University of east Anglia, UK
Mariano Corzo	University of Seville, Spain
Pati Darak-Malitz	North Carolina Rayleigh Chapter AMS, USA
Vrshali Deosthali	Pune University, India
Ruoyang Ding	Zhejiang University, P.R. China
Paul F Downton	Urban Ecology Australia Inc, Australia
Froilan Esquinca Cano	UNDP-CONANP, Mexico
Antonietta Falchi	C.N.R. - Italy
Derald Harp	Texas A&M University, USA
Yukihiro Kikegawa	Fuji Research Institute Corporation, Japan
Torsten Lamp	University of Applied Sciences, Duesseldorf, Germany
Avital Lonke	Unknown affiliation, Israel
Alexandru Lupu	National Institute of Meteorology & Hydrology, Romania
Stephanie F. Meyn	University of British Columbia, Canada
Jussana Nery	Affiliation unknown, Brazil.
Cyprian Umezulike Okoloye	Department of Meteorological Services, Lagos, Nigeria
Angie Pepin	Winter Cities Quebec 2001 International Conference and Showcase, Canada
Esther Perez-Martell	University of Las Palmas de Gran Canaria, Spain
Christelle Poirier	Geography, University of Strasbourg, France
Daniel G.C. Rainham	Dalhousie University, Canada
Rbsr. Prasad Rebbapragada	Environmental Planning, School of Planning, CEPT Ahmedabad, India
Peter Werner Sahn	Aristotle University Thessaloniki, Greece
Jiong Shu	Geography, East China Normal University, P.R. China
Chieko Suzuki	National Institute of Agro-Environmental Science, Japan
Hillevi Upmanis	Food and Agricultural Organization of the United Nations (FAO), Italy
Natty Urquizo	Rainmakers Environmental Group, Canada.
Thanh Ca Vu	Saitama University, Japan
Paul Willis	University of Northern British Columbia, Canada

## Upcoming Meetings

**The 84th Annual Meeting of the American Meteorological Society will be held 11-15 January 2004 at the Washington State Convention and Trade Center, Seattle, Washington.** A Symposium on Planning, Prediction, and Nowcasting in the Urban Zone (cochairpersons: Robert D. Bornstein and Walter F. Dabberdt) seeks to highlight the state-of-the-science in urban prediction and to identify important gaps in knowledge, observations, and modeling. The Interactive Symposium on the Nexus of Coastal and Urban Environments is also a part of this conference. The Call for Papers for all 2004 Annual Meeting conferences and symposia are posted to the AMS Web site at <http://www.ametsoc.org>.

**The Fifth Symposium on the Urban Environment, 23 -27 August 2004, in Vancouver, British Columbia, Canada.** The symposium is being held in conjunction with the 26th Conference on Agricultural and Forest Meteorology, the 13th Joint Conference on the Applications of Air Pollution Meteorology with the Air and Waste Management Association, and the 16th Conference on Biometeorology and Aerobiology. Please submit your abstract electronically via the Web by 7 April 2004 (refer to the AMS Web page at <http://www.ametsoc.org/AMS> for instructions.)