

Training School of Universal Thermal Climate Index (UTCI)

Warsaw (Poland), 4-7 April 2009

One of the fundamental issues in human biometeorology is the assessment and forecast of thermal environment in a sound, effective and practical way. Thermo physiological assessment of thermal environment requires the application of a complete heat budget model that takes all mechanisms of heat exchange into account. Mathematical modelling of the human thermal system goes back 70 years. In the past four decades more detailed, multi-node models of human thermoregulation have been developed. These models simulate heat transfer inside the body and at its surface taking into account the anatomical, thermal and physiological properties of the human body. The COST Action 730 has developed new Universal Thermal Climate Index (UTCI) derived from the human heat balance considerations and that can be used in wide sphere of applications.

The aim of the Training School is to teach wide group of young researchers the principles and operational use of new developed Universal Thermal Climate Index (UTCI). The special emphasis will be paid to:

- operational methods dealing with preparation of appropriated meteorological input data of good quality, good temporal and spatial resolution and fully accessible for various users.
- interpretation and recommendations of UTCI for particular users, e.g. weather forecasts prepared by public weather service (the issue is how to inform and advice the public in a short time scale), public health system, climate therapy, tourism and recreation, public and individual precautionary planning such as urban, regional and local planning, landscape design etc.

Place and date

The School will take place in Warsaw (Poland) at the Faculty of Geography and Regional Studies of the University of Warsaw (30, Krakowskie Przedmiescie str).

The period of School is 4-7 April 2009.

Recruitment

The school is dedicated mainly to Early Stage Researchers (less than PhD + 10 years) working in educational and research institutions as well as in meteorological services. About 35 ESR will be granted by School organizers. The School is supported by COST scientific

programme. The grant will cover economy travel and accommodation expenses as well as whole day meals.

The applications must be sent to local organizer before February 23. The successful candidates will be informed before March 5.

The application must include:

- short expression of interest (up to 1 page),
- short CV (up to 1 page),
- information about research area.

Local organizer is: Prof. Krzysztof BLAZEJCZYK

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Preliminary Programme of Summer School in UTCI

The School will last 4 days. Each day will be dedicated to one of fundamental issues of UTCI.

Day 1: Principles of thermophysiological modelling,

Day 2: Preparation of meteorological data,

Day 3: Calculation and interpretation of UTCI,

Day 4: Presentations of participants' experiences.

During before noon hours the special lectures will be done and the afternoon will be dedicated to practical exercises. The organisers will provide computer equipment and materials necessary for training.