

Conference scientific committee

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1st announcement

Host country: PORTUGAL

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ITM 2007



29th NATO/SPS International Technical Meeting
on Air Pollution Modelling and its Application



24 – 28 September 2007
Aveiro, Portugal

Conference location

Aveiro is a dynamic town with 80 000 inhabitants located in the west coast of Portugal. It is a town of commerce and services and a growing centre of leisure and culture offering cinema, theatre, music, arts, sport and night life. The University of Aveiro, created 30 years ago, and with more than 11 000 students, is part of this dynamic and growing town. Aveiro is known by its "ria" (inland waterways and canals replenished from both the sea and the river), which surrounds and penetrates the town. The extensive stretches of beach just a few kilometres away also make this town very attractive for nature lovers and water sport enthusiasts.

ITM history

In 1969 the North Atlantic Treaty Organization (NATO) established the Committee on Challenges of Modern Society (CCMS). The subject of air pollution was from the start, one of the priority problems under study within the framework of various pilot studies undertaken by this committee. The organization of the periodic conference, named NATO/CCMS International Technical Meeting (ITM) on Air Pollution Modelling and its Application, has become one of the main activities, now under the new Committee on Science for Peace and Security (SPS). The present 29th edition confirm the continuous evolution, the interest, high level confidence of the scientific community and several other supports gained for this Conference.

Young researchers

The increase of the participation of younger researchers is incited with a competition for the best paper/poster from young researchers (less than 35 years at the first day of Conference). The evaluation is based on the scientific content and quality of the presentation. The young researchers should participate in the regular way in ITM, but informing in the moment of the submission that they are applying for the competition. Three young researcher papers winners will be funded by a cash award of 750 Euro (the best paper/poster), 500 Euro (second position), and 350 Euro (third position).

Key topics

1. Local and urban scale modelling
(including the effects of building wakes, street canyons, urban canopy, urban energy balance)
2. Regional and intercontinental modelling
(including observational and modelling of current and future scenarios, and impacts on meeting and maintaining air quality standards)
3. Data assimilation and air quality forecasting
(including new research on focusing ground- and satellite-based observations into model outputs in creating high-resolution spatial maps of air quality, network design)
4. Model assessment and verification
(including performance evaluation, diagnostic evaluation, dynamical evaluation, and probabilistic evaluation as part of comparison of model outputs with observations)
5. Aerosols in the atmosphere
(aerosol dynamics, aerosol formation, interaction with multiphase chemistry)
6. Interactions between air quality and climate change
(observational analysis and modelling analysis of the effects of air pollution on climate and the impact of changing climate on future air quality)
7. Air quality and human health
(including air quality trend assessments, the effects of regulatory programs on ambient air quality and human exposure)

Abstract submission

Abstracts, with a maximum of 300 words, should be sent to itm@ua.pt until **15 December 2006**.

The abstract should include:

- Title of the paper
- Name of the authors, affiliations and email address
- Summary of the objectives, main findings and results
- Key topic
- Intention to give an oral or poster presentation