

## Conference Scientific Committee

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Han van DOP (The Netherlands, Honorary Life Member)  
Frank SCHIERMEIER (United States of America, Honorary Life Member)

### Host country: ITALY

Silvia Trini Castelli  
Institute of Atmospheric Sciences and Climate – ISAC  
National Research Council – CNR  
Corso Fiume 4  
L-10133 – Toriono, Italy  
E-mail: itm31@isac.cnr.it  
Tel: +39 0116606376 Fax: +39 0116600364

### Pilot country: CANADA

Professor Douw Steyn.  
Department of Earth and Ocean Sciences,  
The University of British Columbia  
Vancouver, BC, CANADA, V6T 1Z4  
E-mail: admin@int-tech-mtng.org  
Web: www.int-tech-mtng.org  
Tel: +1 604 827 5517; Fax: +1 604 822 6088



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## First Announcement

# ITM 2010



31<sup>st</sup> NATO/SPS International Technical Meeting  
on Air Pollution Modelling and its Application

27 September – 01 October, 2010, Torino,  
Italy.

## Conference Location

Torino was founded by the Romans during the reign of Emperor Augustus and was the first capital of Italy. It was in Torino that the Risorgimento and Unification of Italy were born. Every historical event has left its mark on the city, creating a legacy of culture, art and architecture. Beginning in the nineties, Torino has transformed itself from a leading industrial centre into a focus of technological, scientific and cultural innovation, resulting in an improved quality of life for all its citizens. Torino enjoys an extraordinary geographical position, being surrounded by the gorgeous arc of the Western Alps to the North and West, with a nearby chain of hills forming a beautiful landmark to the East. The mountainous surrounds and close proximity of the Ligurian sea inspired the famous architect Le Corbusier to call Torino: "the city with the most beautiful natural position". Torino skilfully blends culture and taste, since here were created and are hosted the "Salone Internazionale del Libro" and "Salone Internazionale del Gusto". The city motto of Torino, coined during 2006 Winter Olympics, is: *Passion lives here*.

## 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 a 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 30<sup>th</sup> edition confirm the continuous evolution, the interest, high level confidence of the scientific community and several other support gained for this Conference.

## Young Researchers

We are delighted to encourage participation of younger researchers through a competition for the best paper/poster from researchers who are younger than 35 years old on the first day of the conference. Adjudication will be based on scientific content and quality of the presentation. Young researchers should participate in the ITM as any other attendee, but should inform the Scientific Committee Chair at the time of submission of papers that they are candidates for the award. The winners will receive cash awards for first, second and third places respectively.

## 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 effects on human health, ecosystems and economy (including air quality trend assessments, cost benefit analysis of regulatory programs and their effects on air quality, human exposure and ecosystem burden, integrated modelling approaches)

## Abstract submission

Abstracts (maximum of 300 words), should be sub-mitted using instructions on [www.int-tech-mtng.org](http://www.int-tech-mtng.org) by **31 January 2010**.

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