

Conference Scientific Committee

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ITM 2018

36th International Technical Meeting on
Air Pollution Modeling and its
Application

in conjunction with the annual WMO-GURME meeting

14 - 18 May 2018

**The Lord Elgin hotel
Ottawa, Canada**



International Technical Meeting
on Air Pollution Modelling
and its Application

Conference Location

The 36th ITM will be held at the historic Lord Elgin Hotel in Ottawa, the bilingual capital city of Canada. Sitting on the Ottawa River, Ottawa has at its centre the Parliament Hill, with grand Victorian architecture, as well as national museums with noted collections of indigenous and other Canadian arts. The park-lined Rideau Canal, a UNESCO World Heritage site, is filled with boats in summer and ice-skaters in winter. The 36th ITM takes place during the Canadian tulip festival, an annual that sees the city filled with tulip blossoms. The Lord Elgin Hotel is centrally located in downtown Ottawa, just a stone's throw away from the Rideau Canal, Confederation Park and Parliament Hill. Many of Ottawa's main attractions are within easy walking distance.

ITM History

The International Technical Meeting on Air Pollution Modelling and its Applications (ITM) series of conferences were initiated in 1969 under the auspices of the North Atlantic Treaty Organization's Committee on Challenges of Modern Society (NATO-CCMS). The ITM series became independent of NATO since 2013. Over its long history, the ITM conference series continues as a broadly independent international meeting of the highest scientific stature. The ITM is one of most prominent forums for discussing the latest scientific developments and applications related to air pollution modelling at scales ranging from local to global. An important feature of the conference is that it brings together scientists and other stakeholders from the air pollution, climate change, policy, and health communities from across the globe.

Early Career Researchers

We are delighted to encourage participation of early career researchers through a competition for the best paper/poster from researchers younger than 35 years old. Adjudication will be based on scientific content and quality of the presentation. Three winners will receive cash awards. VITO provides a bursary for a limited number of graduate students (MSc or PhD) who will be fully registered and have their abstracts accepted. A motivated application for this award should be sent to the Scientific Committee Chair clemens.mensink@vito.be

Book publication by Springer

Both oral and poster contributions will be published by Springer in Air Pollution Modeling and its Application volume XXVI. Previous volumes of Air Pollution Modeling and its Application have been included in Thomson Reuters' Web of Science and have received more than 25.000 chapter downloads from the Springer website.

Key Topics

1. Regional and intercontinental modelling (including observational and modelling of historic trends, current and future scenarios, and impacts on meeting and maintaining air quality standards)
2. Local and urban scale modelling (including the effects of building wakes, street canyons, urban canopy, urban energy balance, urban development scenarios, (green) urban infrastructures; megacities)
3. Emission modelling and processing (including emissions from ships, aircrafts, forest fires, agriculture, sea salt, ... ; long term emission projections related to climate change)
4. Data assimilation and air quality forecasting (including new research focusing on combining ground- and satellite- based observations with model outputs in creating high-resolution spatial maps of air quality, use of data assimilation techniques to identify measurement needs and in network design; pilot and demonstration projects)
5. Model assessment and verification (including performance evaluation, diagnostic evaluation, dynamical evaluation and probabilistic evaluation as part of comparison of model outputs with observations)
6. Aerosols in the atmosphere (aerosol dynamics, aerosol formation, interaction with multiphase chemistry, aerosol-cloud interactions)
7. Modelling air pollution in a changing climate (interaction between air pollution and climate: effects of air pollution on climate and the impact of changing climate on future air quality)
8. Air quality effects on human health and ecology (including integrated and multimedia modelling, air quality trend assessments, the effects of regulatory programs on ambient air quality and human exposure)

Abstract Submission

Abstracts (maximum of 300 words), should be submitted using instructions on <https://itm2018.vito.be/> by 31 October 2017.

The abstract should include:

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