

Invitation

Recent developments on air pollution observation in the Eastern Mediterranean Middle East (EMME) region

Tuesday
25 April 2017
4:00 p.m.

Conference Room Senate House
30 Archbishop Kyprianos Str.
3036 Limassol



Cyprus
University of
Technology

Recent developments on air pollution observation in the Eastern Mediterranean Middle East (EMME) region

The Cyprus University of Technology invites you to a lecture to be delivered by **Professor Jean Sciare**

Director, Energy, Environment and Water Research Center, The Cyprus Institute

Abstract

Almost 400 million people live in the EMME, a region strongly impacted by climate change which could become so hot by the mid of the century that human habitability is compromised and may force people to migrate.

The climate models used to predict this scenario suffer from the lack of in-situ observational data in the region and more specifically by accurate long-term monitoring of climate forcers. The Cyprus Atmospheric Observatory (CAO; 550m above sea level) has been established in 2015 for the purpose to provide such long-term observation of climate active species; these measurements are currently completed by a comprehensive set of additional observations with 1) weekly flights performed by Unmanned Aerial Vehicles (UAV), 2) continuous in-situ observations performed at the free troposphere (Troodos station, 1880m above sea level) and 3) continuous remote sensing performed by CUT in Limassol.

After a brief introduction on the research activities currently pursued by the Energy, Environment, and Water Research Center (EEWRC) of the Cyprus Institute (Cyl), this presentation will focus on the recent developments related to the long-term observation of air pollutants in Cyprus.

Biographical note

Prof. J. Sciare is the director of the Energy Environment and Water Research Center (EEWRC) of the Cyprus Institute (Cyl). His main expertise covers the experimental characterization of atmospheric aerosols; addressing issues related their impacts on air quality, health and climate. He has received a PhD in atmospheric chemistry and physics from Paris VII University in 2000 with a dissertation on the "Biogeochemical cycle of dimethylsulfide in the Austral Ocean". Following a post-doctoral position at the Max Planck Institute of Chemistry in Mainz (Germany) in 2000-2001 on the measurement of Cloud Condensation Nuclei (CCN) in various environments, J. Sciare has obtained a full permanent position in CNRS end of 2001 at LSCE and became CNRS Research Director in 2013, leading an atmospheric chemistry group of 20 persons from mid-2012 to mid-2014. Since mid-2014, J. Sciare is a full-time professor at the Cyprus Institute. He is currently leading the development of several major Cyl research infrastructure such as: 1) the Cyprus Atmospheric Observatory (CAO) for long term observations of key atmospheric pollutants in Cyprus at, 2) the Unmanned System Research Laboratory (USRL) for the development of an unparalleled fleet of unmanned aerial vehicles dedicated to atmospheric research studies, and 3) the Facility for Chemical Analyses (FCA) for the speciation of trace species in ambient gases and aerosols.

RSVP:
tel.: 25002549
e-mail: andri.pandeli@cut.ac.cy