



International Laser Radar Conference  
<http://www.ilrc26-2012.gr>

25-29 June 2012 Porto Heli, Greece

# 26<sup>th</sup> INTERNATIONAL LASER RADAR CONFERENCE

## General

The Conference is held biennially under the oversight of the **International Coordination-group for Laser Atmospheric Studies (ICLAS)** and of the **International Radiation Commission (IRC)**. The Conference will be co-hosted and supported by the **National Technical University of Athens**, the **Aristotle University of Thessaloniki** and the **Mariolopoulos-Kanaginis Foundation for the Environmental Sciences**, Greece. It is also supported by the **European Space Agency (ESA)**, the **National Aeronautics and Space Administration (NASA)** and many national/international partners and agencies. This time the Conference goes "green" aiming at reducing its environmental impact (carbon footprint) through a series of actions and implementations and ideas to be "taken away at their home" by the participants.

For the 26<sup>th</sup> ILRC, we will encourage presentations on traditional remote sensing themes, but will also increase emphasis on several topics, including the role of laser remote sensing in areas associated with climate change related to aerosol properties (e.g. documenting climate change, improving understanding of forcing mechanisms, and assessing impacts of climate change), potential application of new advances in optical device technology, and laser remote sensing of the ocean and earth surface properties from various platforms.

## Conference Topics

- Advances in lidar techniques and new methodologies
- Atmospheric winds and turbulence
- Atmospheric boundary layer and air pollution meteorology
- Tropospheric and lower stratospheric dynamics and transport
- Middle atmosphere physics and chemistry
- Solid Earth, Ocean and Land surface applications
- Space-based missions, validation and global monitoring
- Combining lidar measurements and analysis with other techniques
- Water vapor-temperature-trace gases and air quality
- Lidar Networks and Assimilation of observations into forecast models
- Applications of lidars to Climate Change research with emphasis on the aerosol properties
- Applications of lidars in historical building restorations and lidar educational activities

## Deadlines

Abstract & Paper submission
March 1, 2012
Early Conference Registration
May 1, 2012
Hotel Registration
April 15, 2012
Travel Grant Request
March 1, 2012
Online Registration
June 10, 2012

## Co-Chairmen

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