



## 9<sup>th</sup> EARSeL Workshop on Imaging Spectroscopy Luxembourg, 14-16 April 2015

**Abstracts**  
**Submission Deadline:**

**30 November 2014**

Abstracts can be submitted on-line at [www.earsel2015.com](http://www.earsel2015.com)

Acceptance notification will be sent by end of January 2015.

We are looking forward to receiving your submissions.

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EARSeL's Special Interest Group on Imaging Spectroscopy aims to encourage international discussions among specialists working with innovative Earth Observation technologies. The 9th meeting, jointly organized by Trier University and the CRP – Gabriel Lippmann, builds on the 8 previous successful workshops and will be held in Luxembourg in April 2015.

The workshop will cover all themes related to imaging spectroscopy. Hyperspectral remote sensing has started to move from a largely airborne to a fully spaceborne capability with the development of a number of satellite spectrometers, which will be launched in the next few years. Nevertheless, we find an increasing number of airborne and UAV-based systems in the research community with many new possible applications. At the same time the latest imaging spectrometers measure not just the traditional visible and near-infrared regions, but now also cover fluorescence and the thermal- and mid-infrared regions. These technical developments have fostered a number of groundbreaking research fields.





### Scientific Committee:

- Clement Atzberger, University of Natural Resources and Life Sciences, Austria
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- Helga Braun, EARSeL Secretariat, Münster, Germany
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- Martin Schlerf, CRP - Gabriel Lippmann, Luxembourg
- Thomas Udelhoven, University of Trier, Germany
- Véronique Carrere, Université de Nantes, France

Contributions deal in general with recent advances in and applications of the different techniques and research methods used in imaging spectroscopy and or hyperspectral remote sensing. In particular, the following topics will be covered:

### Research and applications of imaging spectroscopy:

- Agriculture, forestry, rangeland and wetland management
- Vegetation biophysical properties, processes and functions, as well as plant species, plant stress and disease
- Minerals, rocks, soils, and artificial materials
- Urban studies
- Coastal and inland waters
- Land use change

### Advances in hyperspectral remote sensing data processing

- Hyperspectral data processing algorithms, data mining, and data assimilation
- Sensor calibration, atmospheric correction, and product validation
- Synergies of hyperspectral data with the Sentinels, i.e. with advanced multi-spectral and microwave sensors

### New and innovative hyperspectral sensor systems

- Visible, near-, mid- and thermal infrared spectral and multi-angular measurements including fluorescence
- Hyperspectral images from ground, drone, airborne and satellite platforms

