



# Combustion Institute Summer School (CISS) in Combustion Science and Technology

**Lund University, Lund, Sweden  
August 19-23, 2013**

## **Chemical kinetics**

Henry Curran  
NUI Galway

## **Turbulent combustion**

Norbert Peters  
RWTH Aachen

## **Diagnostics**

Marcus Aldén  
Lund University

Organized by CECOST, the Centre for Combustion Science and Technology.  
[www.cecconst.lth.se/ciss.html](http://www.cecconst.lth.se/ciss.html)





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In order to further enhance the out-reach activities and to foster a new generation of combustion scientists, the Combustion Institute has decided to test the concept of the Combustion Institute Summer Schools, CISS. The first CISS will be held in Europe and will be organized in Lund, Sweden, together with the national Centre for Combustion Science and Technology, CECOST as the local host. If this pilot arrangement proves successful, CISS should be organized e.g. on a biannual term, in the years between the Combustion Symposia together with different local organizers, and the location should rotate between different continents.

### Objectives

To provide students with comprehensive knowledge in combustion theory, experiment and applications by lectures delivered by world-leading scientists and the possibility to build a long-lasting international network

### Content of the CISS 2013

The CISS 2013, scheduled for August 19 to 23, 2013 will provide three courses:

**Chemical kinetics** (12 hours) delivered by Professor Henry Curran, Combustion Chemistry Centre, NUI Galway, Ireland,

**Turbulent combustion** (12 hours) delivered by Professor Norbert Peters, Institut für Technische Verbrennung, RWTH Aachen, Germany, and

**Diagnostics** (8 hours) delivered by Professor Marcus Aldén, Combustion Physics, Lund University

In addition to the three courses, one day will be devoted to an extended lab tour in the laser facilities at the Division of Combustion Physics and a presentation of the current needs and challenges in the combustion area by invited key industrial combustion experts. More information and course descriptions will be published at [www.cecconst.lth.se/ciss.html](http://www.cecconst.lth.se/ciss.html).

### Location and Accommodations

The summer school will be held at the Department of Physics, Lund University and students outside of the Lund area will be offered a shared double room in a nearby hotel, 15-20 minutes walking distance. Breakfast will be served at the hotel. The summer school will provide coffee and refreshments, lunch and evening meals August 19 to 23, as well as an excursion in Skåne, the southern most landscape in Sweden, and a joint dinner at a typical "skånish" inn/castle.

### Applications

The summer school is mainly intended for PhD- or master-students and post docs. Students apply on-line at [www.cecconst.lth.se/ciss.html](http://www.cecconst.lth.se/ciss.html), on or before April 1, 2013. Specify home department/university, supervisor and research field in the application form. Selection of students will be based on geographical spread and scientific diversity. The summer school can accommodate ~100 students, primarily from universities, research organisations and industries in Europe. Acceptances will be communicated on or before April 15, 2013.

### Expenses

The summer school is free of charge, including meals, excursion and accommodation. Travel expenses to and from Lund are to be paid by the participants.

### Further information

For further information please visit [www.cecconst.lth.se/ciss.html](http://www.cecconst.lth.se/ciss.html), or contact:

Prof. Marcus Aldén, [marcus.alden@forbrf.lth.se](mailto:marcus.alden@forbrf.lth.se) or

Dr Sven-Inge Möller, Research Administrative Director, [sven-inge.moller@forbrf.lth.se](mailto:sven-inge.moller@forbrf.lth.se).