

iSOCS Short Course Summer 2012

4-7 June 2012, Tarragona Spain

Nanomaterials and Nanotechnology for Trace Level Detection



Develop your knowledge on micro/nano- chemical sensor systems for trace detection at the ISOCS Short Course in Tarragona, Spain

This Short Course will cover topics including:

- Fundamentals of trace detection
- Pre-concentration and sample handling
- Fundamentals of ion mobility spectrometers
- Nanomaterials in functional devices
- MEMS based technologies
- Signal Processing for trace level detection

Confirmed Speakers

Prof. Julian Gardner, University of Warwick
Prof. Eduard Llobet, University of Tarragona
Prof. Santiago Marco, University of Barcelona
Dr. Eduard Figueras, CNM, Barcelona
Dr. Wolfgang Vautz, ISAS, Dortmund
Dr. Karine Bonnot, ISL, Saint Louis

The Short Course will cover basic concepts of nanomaterials and Microsystems technologies for a successful integration in functional devices. It will review state of the art technology and methods for trace level detection. An introduction to growth and characterisation of nanostructures will deliver hands on experience.

Students may show their own results since a poster session will be organised. This will give an opportunity to build personal networks and meet active researchers, both from academia and industry, who are advancing in the field.

Register now! Limited places available only!

For more information please visit www.olfactionsociety.org/summercourse2012

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Who should attend?

The School is ideal for anyone with an interest in nanotech sensors and in trace level detection and is new to the field; for example, PhD students, researchers, technologists and industrialists.

Short Courses organized by ISOCS are a unique combination of fundamental theory lectures and practical application exercises. They provide a head start into selected topics of current research and new developments in the area of chemical sensing and olfaction. Most lecturers will be present throughout the duration of the course and a poster session will be organized for students to have an active participation. Therefore, ample opportunity is given for discussion and networking.

The Short Course is residential and the programme allows plenty of scope for networking with lecturers and attendees. Lectures take place in the morning and afternoon with the evenings free to network, consolidate their knowledge or enjoy the outdoors (Roman and Medieval Tarragona or its beaches).

The venue is the Science and Technology Campus of the University of Tarragona, and the price includes all accommodation, breakfast, coffee breaks and lunch.

For full programme and conditions please visit: www.olfactionsociety.org/summercourse2012/

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