

GOSPEL Summer School, Crete

25-31 May 2008 — Hotel Europa Beach, Analipsi

International experts will advance your knowledge of artificial olfaction at the GOSPEL School. GOSPEL is the network of excellence representing the best expertise in the development of artificial olfaction technology and applications.

Why should you attend?

Artificial olfaction is maturing and will have a significant impact on the next generation of medical, environmental and security technologies.

The GOSPEL School provides a unique opportunity to understand new developments in artificial olfaction and their potential impact.

Participants will benefit from:

- Knowledge – delivered by leading researchers through a mixture of lectures, demonstrations, practical exercises (group and individual) and roundtable discussions
- Career development – career planning and examples of commercial exploitation will be discussed
- Multidisciplinary approach – diverse perspectives in technology and biology will be covered
- Networking – opportunity to build personal networks and meet active researchers who are advancing the field in both academia and industry



Full programme: www.gospel-network.org

European Coordinator: Dr Udo Weimar, University of Tübingen

Training Centre Manager: Prof Jacek Szuber, Silesian University of Technology

GOSPEL takes no responsibility for the views presented by lecturers and reserves the right to change the programme without notice.

General Olfaction and Sensing Projects on a European Level is the Network of Excellence representing expertise in artificial olfaction technology and applications. GOSPEL is funded by the European Commission under the 6th Framework Programme (IST-507610).

GOSPEL

Programme

Biological Chemoreception

Krishna Persaud is Professor of Chemoreception at the University of Manchester. Originally trained as a biochemist, his interests range from fundamental research into biological transduction mechanisms in olfaction through to the practical application of chemical sensors.

Jean-Pierre Rospars is from the Insect Physiology Unit and the Applied Mathematics and Informatics Unit at INRA. His research interests focus on modelling the structure and function of the olfactory system using morphometric, single neuron and neural network approaches.

Anke Suska is a post-doc at the department of physics, chemistry and biology at Linköping University, Sweden. Her research interests are bioassays and biological conditioning.

Sampling and Analytical Measurements

Patrick Mielle is an expert in olfaction and taste at the FLAVIC (flavour, vision, consumer behaviour) laboratory at INRA where he develops instrumentation systems (mainly GC, GC/Sniff and gas sensors) for instrumental analysis of aroma and flavours.

Nikos Papamichail is a member of the management team of the GOSPEL Network of Excellence. He trained as a chemist and undertook research into gas analysis using electronic noses and analytical methods. His research interests are in analytical methods and chemical sensors.

Application of Chemical Sensing

A speaker from industry will discuss the challenges involved in transferring laboratory sensing knowledge to practical, field-based, commercially viable applications.

Sensing Devices

Danick Briand is a team leader at the Institute of Microtechnology, University of Neuchâtel, Switzerland. He has wide expertise in the development of diverse MEMS devices.

Markus Graf leads the research of the humidity sensor group at Sensirion AG in Switzerland where he focuses on CMOS-based sensor systems and related microfabrication technologies.

Electronics and Signal Processing

Franco Maloberti is Professor of Microelectronics at the University of Pavia, Italy. His professional expertise is in the design, analysis of integrated circuits and analogue-digital applications.

Vittorio Ferrari is a Professor of Electronics at the Faculty of Engineering of the University of Brescia. His research activity is in the field of sensors and the related signal-conditioning electronics.

Ferran Reverter is an Assistant Professor in Analogue Electronics and Digital Systems at the Technical University of Catalonia, Barcelona. His research interests are in the field of electronic instrumentation, in particular interface circuits for smart sensors.

Information Processing

Agustín Gutiérrez-Gálvez is from the University of Barcelona. His research interests include computational models of the olfactory system and pattern recognition applied to odour detection with gas sensor arrays.

Eugenio Martinelli is from the University of Rome Tor Vergata. His research activities are concerned with the development of chemical sensors, the applications of artificial sensor systems, and multivariate data analysis applied to sensor array.



Participants

The GOSPEL School is open to all early-stage researchers or to experienced researchers who are moving into the field. Participants from industry, research institutes and universities are all welcome.

Venue

Europabeach Hotel, Crete – Greece, www.europabeach.gr

Credit

A number of universities recognise the GOSPEL School to award credits for masters and doctoral programmes. If you would like more information or help with obtaining credits, please contact us.

Cost

Free to GOSPEL members. Other participants will be required to contribute €800 for 6 nights accommodation and all meals.