

EUROPT(R)ODE Series

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EUROPT(R)ODE VII

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Final Announcement and Deadlines



EUROPT(R)ODE VII

Madrid, Spain

April 4-7, 2004

Seventh European Conference on Optical
Chemical Sensors and Biosensors

www.ucm.es/info/eoptode7

INTRODUCTION

The EUROPT(R)ODE Conference Series encompasses all aspects related to research, development and chemical application of optical sensors and biosensors. Scientists are invited to submit their original contributions, in one or more of the following topics:

- New materials and principles for optical chemical sensing and biosensing
- Novel opto-electronic instrumentation and components for sensor development
- Integrated optical systems
- Micro-, nano- and multisensors
- Optosensor arrays for genomics and proteomics
- Applications of optical sensors in environmental monitoring, industrial process control, food analysis and medical diagnosis
- Commercial developments and markets

Some reasons for attending Europt(r)ode VII:

- ❑ Europt(r)ode has become the leading European conference on optochemical sensing and biosensing after its foundation in 1992. Previous conference have taken place every other year (Graz, Florence, Zurich, Münster, Lyon and Manchester).
- ❑ The event will provide plenary and keynote lectures plus two parallel sessions of top-quality scientific/technical presentations and poster displays of interest to academic and industrial researchers alike.
- ❑ This biannual Conference presents a unique opportunity to discuss and exchange the latest developments in this extremely challenging field. Scientists from more than 30 countries have participated in the last edition.
- ❑ Madrid is a lively city surrounded by historic places (Toledo, El Escorial, Segovia, Alcalá de Henares...).

Scientific Programme

Plenary lectures

Karl Cammann, University of Münster, Germany
"Economical Optical Real-Time DNA Arrays"

Silvia Daunert, University of Kentucky, USA
"Genetic Engineering Strategies in Biosensing and Micro/Nanoanalytical Methods"

Ulrich J. Krull, University of Toronto, Canada
"Confronting the Challenge of Design of Selectivity for Optical DNA Biosensors and Biochips"

Alfredo Sanz Medel, University of Oviedo, Spain
"Room Temperature Phosphorescence Detection for Optical Sensors"

Ursula E. Spichiger-Keller, ETH Zurich, Switzerland
"The Secret of Low Detection Limits Using Optodes: Engineering and Applications of Optodes"

Koji Suzuki, Keio University, Yokohama, Japan
"Past, Present and Future of Ionophore-Based Optosensing"

Invited speakers

Chris D. Geddes, University of Maryland Biotechnology Institute, USA
"Metal-enhanced fluorescence sensing"

Frank F. Bier, Fraunhofer IBMT, Bergholz-Rehbrücke, Germany
"Optical Detection of DNA-Modifying Enzymes on Immobilised Substrates"

Jonathan Aylott, University of Hull, UK
"Applying Fluorescent Nanosensors to Measure the Intracellular Environment"

Robert F. Chen, University of Massachusetts at Boston, USA
"In Situ Fluorescence Sensors in Coastal Oceans"

Dimitri B. Papkovsky, University College Cork, Ireland
"Biological and Screening Applications of the Optical Oxygen Sensing"

Robert Pansu, Ecole Normale Supérieure de Cachan, France
"Fluorescent Nanocrystals as Ultrabright Time Resolved Sensors"

Marcus Ehrat, Zeptosens AG, Switzerland
"Planar Waveguide Technology for DNA and Protein Microarrays"

Steven Scott Saavedra, University of Arizona, USA
"Recent Developments in Transducers Based on Planar Integrated Optical Waveguides"

Gerhard J. Mohr, Friedrich-Schiller University Jena, Germany
"Using Reversible Chemical Reactions to Optically Detect Analyte Molecules"

Sergey A. Piletsky, Cranfield University, UK
"New Materials for Optical Sensors Based on Molecular Imprinting"

Julián Alonso, Universidad Autónoma de Barcelona, Spain
"Integrated Optochemical Sensors Based on New Vis-NIR Chromoionophores"

Call for Papers

Authors interested in presenting oral contributions or posters are requested to submit a *one-page* (A4 format) **abstract** in MS Word or (editable) Adobe pdf format.

The abstract (single-space typed in English) must include title, authors' names, affiliations and one e-mail address, together with the text, figures and up to three relevant literature references. *Detailed instructions for submission and a template document is available for downloading at the Conference web site.* **Only electronically submitted abstracts will be considered.**

The material presented in the abstract and the Conference should be original and not presented elsewhere before the meeting. All abstracts will be refereed before acceptance for presentation and the final decision will be communicated to the contributing author.

Authors should indicate at the time of the abstract submission whether they prefer to present their work as an *oral* communication or a *poster*. The Executive Organizing Committee will take the final decision on the oral/poster/session allocation.

Please send your abstract along with contact details **by e-mail**, or **via the conference web site**, **NOT LATER THAN NOVEMBER 3, 2003** to euoptrode7@quim.ucm.es

If e-mail submission is not possible, please contact the Conference Chairman at the address below.

All accepted presentations are invited to be submitted to the Conference chairman as full papers for publication in **a special issue** of Elsevier's *Sensors & Actuators, B*. journal. The manuscript due day is April 7th, 2004 and will undergo the standard reviewing procedure.

Registration Fees

	BEFORE/ON Feb. 4 th , 2004	AFTER February 4 th , 2004
Full registration fee	475 €*	550 €*
Student** reg. fee	250 €	300 €

* Participants are entitled to a **reduction** of the **full** registration fee equal to **n x 15%**, according to the country classification by income (upper income, n = 0; upper-middle, n = 1; lower-middle, n = 2; low income, n = 3). Check the classification at: www.worldbank.org/data/databytopic/CLASS.XLS

** Students must submit a letter from their supervisor at the time of payment.

All registration fees include admission to the sessions, one hardcopy + CD of the Book of Abstracts, coffee breaks, lunches on Monday April 5th and Tuesday April 6th, welcome reception, farewell informal lunch, plus the Conference Dinner on Tuesday April 6th.

Please, check the Conference web page for accepted ways of payment.

Companies interested in taking part in a small exhibition may contact the conference office.

Accommodation

A number of rooms have been reserved for the attendees in different hotels located near the university campus. There is also the possibility of booking (limited) accommodation at reasonable rates in the "Residencia de Estudiantes", a historic building belonging to the Spanish Council for Scientific Research (CSIC) where famous writers and scientists used as residence during their stage in Madrid, that has recently been refurbished (see www.residencia.csic.es). All the relevant information and booking can be made through the Conference web page or contacting the organizing/travel agency at the address below.

Travel

It is to be organized by the participants themselves. Please, contact the organizing/travel agency at the address below if you require assistance in this regard. Madrid-Barajas international airport serves more than 35 airlines that connect the capital with the most important cities world-wide. It offers cheap, frequent [bus links](#) (EMT line no. 89) and direct [Metro \(subway\) rail service](#) (line no. 8) to connect with the city heart and the different railway stations.

Language

The conference language will be english. No simultaneous translation facilities will be available.

The Conference Venue

Europt(r)ode VII will be held at the 700-year old **Universidad Complutense de Madrid** (UCM), located just outside the City (www.ucm.es/ucmd/localizacion/cmoncloag.htm) and can be easily reached by private car, using public transportation (bus or subway), or even with a nice stroll. The **Faculty of Medicine lecture halls** are designed to provide all the necessary services and infrastructure required for a successful international conference of this type.

Subway station: "Ciudad Universitaria" (No. 6 circular "Grey" line)

Bus lines: 82, 132 ("Facultad de Medicina" stop)

EXHIBITION FACILITIES

An exhibition area of around 1,000 square meters is also available and easily reached from the conference halls for the exhibition of posters, instruments and technical demonstrations.

OTHER FACILITIES

Computer equipment with Internet connection will be available at the Conference centre. Bar and restaurant facilities are also available on site and will provide opportunities to establish new contacts or just to discuss your latest results. Sport courses are located at a walking distance from the conference venue. First aid and emergency facilities are available at the University Hospital annexed to the Faculty of Medicine.

Madrid (www.munimadrid.es)

The capital city of Spain is placed in the heart of the Iberian Peninsula, right in the middle of the Castilian plateau, at 646 m above the sea level. More than three million inhabitants enjoy a cosmopolitan city, boasting its own special lifestyle and an intense cultural and artistic activity.

More world-class art is on exhibit in the neighbourhood around the outstanding **Prado Museum** than within virtually any other concentrated area in the world: the Caravaggios and Rembrandts at the **Thyssen-Bornemisza**; the Goya and Velázquez masterpieces at the Prado itself; and the Dalís and Mirós,—not to mention the Picasso's *Guernica*—, at the **Reina Sofía**, to name a few. Some of the city gems are the 17th century **Plaza Mayor**, the former residence of the Spanish Kings **Palacio Real**, the lively **El Rastro's** (Sunday) flea market, and the fever of late-night flamenco shows. If the urban atmosphere starts to overwhelm, you may take some rest in the **Parque del Retiro**, a vast, verdant oasis in the heart of the city a stone's throw from the Prado Museum.

Social and Cultural Program

A welcome reception will take place at the Conference venue on Sunday April, 4th. In addition to the Conference dinner on Tuesday April 6th, 2004, all participants interested in sightseeing tours of Madrid and/or its surroundings, sports events, visits to the museums, for themselves or the accompanying person(s) should contact the organizing/travel agency at the address below.

Full details on the Conference, the scientific programme, accommodation, conference fees, on-line registration, advanced programme, and the last updates will be available at its website (www.ucm.es/info/eoptode7). Please, check it for frequent updates.

Important Addresses

Conference Office:

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Organizing/Travel Agency:

EUROPT(R)ODE VII
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División Congresos y Convenciones
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Important Deadlines

November 3 rd , 2003	Abstract submission deadline
February 4 th , 2004	End of regular registration fees
February 4 th , 2004	Beginning of late registration fees
February 15 th , 2004	Accommodation confirmation deadline
After March 1 st , 2004	Accommodation cancellation fee 100%
April 4 th , 2004	Beginning of EUROPT(R)ODE VII



Diagnos**t**ics

Roche Prize

for Sensor Technology

Madrid is waiting for young scientists who will be honored for outstanding achievements in the field of chemical sensing, biosensing and sensing of clinical parameters at Europt(r)ode 2004.

For applications, see:

<http://www.roche-diagnostics.com/> or <http://www.ucm.es/info/eoptode7>