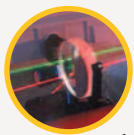


**ABOUT FRENCH RIVIERA,  
PROVENCE SMART VALLEY**  
THE LAND OF LIGHT



**C**lose to the Mediterranean sea, Provence Alpes Cote d'Azur area is one of the major regions in France and in Europe for optics and photonics with companies like Thales Alenia Space, Cybernetix, Eurocopter, SESO... Around them, one finds famous laboratories like the Institut Fresnel, the Laboratoire d'Astrophysique de Marseille, the Observatoire de la Côte d'Azur, or the Ifremer which all contribute to the development of components and optical systems.



**T**he *Provence-Alpes-Côte d'Azur* region counts more than one hundred companies and more than thirty laboratories working in the field of optics and photonics (10 500 jobs including 3 000 researchers). It can lean on several Universities or *grandes écoles* providing education in optics and photonics at all levels. The South of France represents 20% of French R&D in optics.



**S**trongly connected with the micro and nano-technologies and with image processing and software engineering, optics and photonics have, in *Provence*, all the competences (electronics, mechanics, software, micro and nano-technologies) to favor their development.



**T**he large scientific and industrial equipments available in *French Riviera and Provence* are a complementary key of success. We have a label of Competitiveness Clusters Photonics : OPTITEC.

For more information | [www.popsud.org](http://www.popsud.org)  
[www.OCS2008.org](http://www.OCS2008.org)

**HOW TO GET TO CANNES  
ESPACE MIRAMAR**



**OCS 2008 Meeting will be held in "Espace Miramar" at the corner of Rue Pasteur with the famous Cannes Croisette.** Cannes is within one hour time from Nice International Airport which is reachable for many international airlines connecting major European cities and North America.(see description of transport facilities on the site [www.OCS2008.org](http://www.OCS2008.org)).

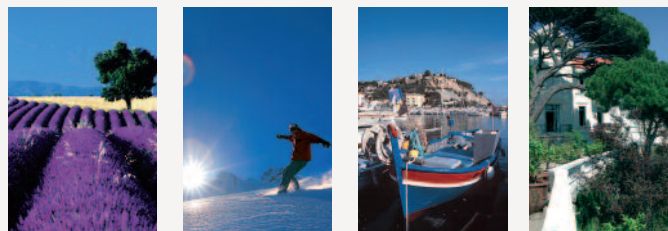


**TOWN INFORMATION**

Cannes, Jewel in the crown of the "Côte d'Azur" since the dawn of time, focal point for festivals throughout the world and a cultural melting pot, the city of Cannes welcomes you. Second congress destination in France after Paris with over one quarter of a million delegates annually, worlds premier location for media, film industry and telecommunications events..

15 Recommended hotels and description of more than 100 hotels in Cannes are available on the site [www.OCS2008.org](http://www.OCS2008.org)

Contact person : Michel Detaille, [info@ocs2008.org](mailto:info@ocs2008.org)



Conception EDITIC sud photos Xdr

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OCS'08

SECOND INTERNATIONAL CONFERENCE  
ON OPTICAL COMPLEX SYSTEMS

Côte d'Azur  
Cannes

Espace Miramar  
17 to 19 March 2008



[www.OCS2008.org](http://www.OCS2008.org)

**THIRD ANNOUNCEMENT  
& CALL FOR PAPERS**

This OCS Conference is the second edition on the Optical Complex Systems to be held in Cannes, from 17 to 19 March 2008, in the heart of the French Riviera (The first OCS meeting of 2005 was held in Marseille).

The Optical Complex Systems are more and more in the heart of various systems that industrial applications bring to everyday life. From environment up to spatial applications, OCS is also relevant in monitoring, transportation, robotics, life sciences, sub-marine, and even agricultural purposes. Optics in the PACA (Provence Alpes Cote d'Azur) region is increasingly growing ; one goal of this conference is to show the specific position of PACA in optical complex systems.

Contact person : [info@ocs2008.org](mailto:info@ocs2008.org)

**Deadline for 2 pages summary  
submission January 30th , 2008**

## ABOUT OCS'08/17 TO 19 MARCH 2008

The aim of this conference is to gather engineers and researchers from industry and lab research in a forum of presentations and discussions of their applications. Cross disciplinary applications will be in the main line. Contributions are welcomed from Industrial Companies as well as and from Academic Research and papers should focus on integration into systems rather than just individual component descriptions.

OCS is being led by Pop Sud (Pole Photonique Sud) who has always supported the Complex Systems since its foundation.

A plenary session with invited talks on different hot subjects will be posted :

- > *Megajoule laser program: Fusion at hand* : Bruno Le Garrec, CEA-CESTA (France)
- > *Photonics bandgap fibers : from theory to applications* : Sébastien Fevrier, XLIM (France)
- > *Photonics in Medical Imaging* : Paul Lecoq, CERN (Suisse)
- > *Recent optical technologies applications at CNES* : Jacques Berthon, CNES (France)
- > *Magnetic Fusion and ITER : new challenges for diagnostics* : Jean Jacquinet, CEA (France)
- > *Advanced Optical Systems for Gravitational Wave Detectors* : Andreas Freise, University of Birmingham (UK)
- > *Anisotropy of the underwater light field: development of a "radiance camera"* : David Antoine, Laboratoire d'Océanographie de Villefranche (France)
- > *Extremely Large Telescope* : Guy Monnet, ESO (Germany)

AN ORAL SESSION WILL BE DEDICATED TO THE PRESENTATION OF THE POSTER SESSION

**DEADLINE FOR 2 PAGES SUMMARY****SUBMISSION JANUARY 30TH, 2008**

**SUBMISSION** : Authors have already submitted a 100 words abstract and have been selected in the program of the conference available on the site : [www.ocs2008.org](http://www.ocs2008.org)..

Now authors are welcomed to submit 2 pages summary of their presentation. 2 pages summary submission are done on the email : [info@ocs2008.org](mailto:info@ocs2008.org)

## KEY TOPICS

**A Adaptive Optics & Wavefront Controls (Marc Ferrari, Lab. Astrophysique Marseille)**

New developments and technological break-through contributing to the expansion of adaptive optics systems into various application domains (astronomy, medicine, nuclear, laser, manufacturing, communications, etc.)

**B High Resolution Laser processing (Paul Coudray, CO of Kloé)**

Electrical, optical and fluidic devices are now miniaturized. Laser processing offers flexible solutions for fast prototyping, submicron structuring by lithography, direct laser ablation, etching and surface cleaning.

**C LED Sources (Jean-Michel Decaudin, CO of Light Technologies)**

Improvements linked to LED implantation : optical software, molded and TIR lenses, diffractive components, filters... Electronics for power supply and modulation, thermal and mechanical integration

**D Micro-Nano optical systems (François Flory, Ecole Centrale Marseille)**

Nanophotonics benefit from material properties that do not exist in microscale. Integrated micro/nanosystems require a strong cross disciplinary approach from materials, characterization, to final packaging

**E Spectroscopy & Colour Vision (Michel Marcelin, Lab. Astrophysique Marseille)**

Spectroscopy, colour vision and their combination (hyperspectral imaging) benefit from new technologies in various fields (detectors, gratings, linear filters, optical fibres, MOEMS, data processing).

**F Environment & Agriculture (Antoine Bourély, CO of Pellenc ST)**

Real time sensor systems for quality control in the food industry, material sorting and recycling, atmosphere, water, and soil monitoring. Cost effective photovoltaic systems.

**G Hostile & Space Environment (Christian Singer, Thales Alenia Space & Jean-Marcel Travers, CEA)**

Photonics for remote control and observation within hostile environments with extreme conditions (temperature, >>

## KEY TOPICS

>>radiations, pressure, mechanical perturbations...); applications such as submarine exploration, nuclear environment control or space based observations. applications.

**H Optical Instruments & Technologies for Medical Diagnosis (Philippe Nerin, ABX Diagnostic)**

Optical Instruments and Technologies for Medical Diagnosis including blood cell monitoring, whole blood measurements, bioassays, single molecule detection, optothermal and optoacoustics, fluorescence, CARS, Raman, light scattering.

## ORGANISATION

**General Chairman** : Nary Man (Observatoire Côte d'Azur)

**Co Chairman** : Gilbert Dahan (SESO)

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**Local Organizing Committee** : Michel Detaille, François Flory, Katia Mirochnitchenko, Jocelyne Darietto