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## Editorial

### MONA 1st Anniversary: Achievements and Prospects

The MONA project (Merging Optics and Nanotechnologies) has been launched in June 2005 by the European Commission within its 6th Framework Programme in order to bridge the gap between photonics and nanotechnologies. The objectives of the project are:

- Create a common site for the **exchange of information concerning research**, networks of excellence, and integrated projects in photonics and nanotechnologies.
- Promote the timely **exchange** of scientific results, **market** development, and **technology** needs through MONA-developed workshops.
- Develop a European **roadmap** for photonics and nanotechnologies.

After the first year of activity, some successful achievements have been obtained:

- The Frame of reference report has been broadly disseminated. It summarizes the state of the art in both the fields of nanostructuring technologies and nanophotonics.
- A workshop gathering European experts in nanophotonics has been organized jointly with Photonics Europe. This first workshop has allowed raising some of the key issues related to nanoscale materials and their fabrication process.
- Dissemination of the knowledge, including periodic newsletters, an attractive website and two-way exchanges with Asia.
- Links with other European projects or initiatives. In particular, direct links have been established with OPERA2015 and the Technology Platform Photonics21. This will ensure a broad dissemination of MONA outcomes.
- The roadmapping methodology, mixing “market-pull” and “technology-push” approaches has been defined.

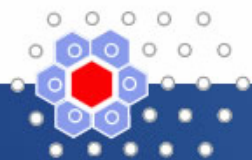
The second year of the project will be mostly dedicated to the building of the nanophotonics/nanotechnology roadmap and its dissemination.

The first major event will be the 1st MONA symposium/2nd MONA workshop that will be held in Grenoble, France on November 28-29, 2006. It will gather representatives of the most relevant European projects and institutions in the field of nanophotonics and nanotechnologies. A first draft of the roadmap will be broadly distributed and discussed afterwards. A strong involvement of the whole European nanophotonics and nanotechnologies community is requested to ensure the relevance and the broad acceptance of the roadmap. The final version should be available in June 2007. It will be widely disseminated during the second half of 2007.

This roadmap will hopefully be used for defining the future priorities of European RTD in the field of nanophotonics.

**This roadmap is yours, we're looking forward to your participation.**

Laurent Fulbert  
Coordinator of MONA



## 1st MONA Symposium & 2<sup>nd</sup> MONA Workshop

Please mark the **28 and 29 of November 2006** in your diaries! The 1st **MONA Symposium** together with the **2nd MONA Workshop** will be held in **Grenoble, France**. More details will be published in due time on the MONA Website: <http://www.ist-mona.com>

## Conference on MONA in South Korea

Tom Pearsall, General Secretary of EPIC, has accepted an invitation to participate to the IEEE Nanotechnology Materials and Devices Conference to be held in Gwangju, Korea from October 22 to 28, 2006, where he will make a plenary presentation on strategic directions for nanotechnology research in the European Community with specific focus on Merging Optics and Nanotechnologies (MONA).

The prime objective of MONA is to produce a technology roadmap for nanophotonics, and this will also be the subject of Tom Pearsall's presentation.

This trip will also be the occasion for MONA to meet with those people in Korea in the Ministry of Science or Technology or Education that are knowledgeable about how photonics and nanotechnologies are funded in Korea and to share experiences on questions of R&D priorities at the national level both in Korea and in the European Union.

An objective of this trip will be to produce a report and a CD-ROM about Korean and European R&D in the nanophotonics area similar to the report on the National Nanotechnology Programme in Taiwan "MONA-Merging Optics and Nanotechnologies in Europe and Asia, vol.1" which was released in May 2006 and that you can download from the MONA website.

<http://www.ist-mona.org/international/default.asp>

## EOS Annual Meeting 2006

**October 16th 2006 - October 19th 2006**

This year's Annual Meeting of the European Optical Society (EOS) will be held alongside the OPTO exhibition in Paris, France (16 - 19 October 2006). For the first time, the EOS Annual Meeting will also feature six topical meetings.

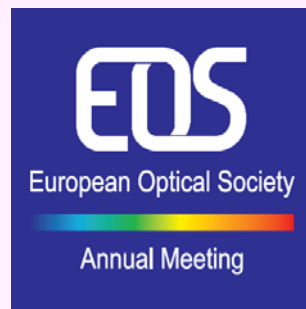
- Biophotonics and Biomedical Optics
- Extreme Optics (QEOD/EPS and EOS)
- **Nanophotonics, Metamaterials and Optical Microcavities (QEOD/EPS and EOS)**
- Micro-Optics, Diffractive Optics and Optical MEMS
- Photonic Devices in Space
- Nonlinear Optics: From Sources to Guided Waves

Within the Nanophotonics, Matamaterials and Optical Microcavities program, Tom Pearsall, EPIC, will make a presentation **on Thursday, 19 October at 15:30** about MONA, Merging Optics and Nanotechnologies in FP-7: the Nanophotonics Technology Roadmap.

You will find more information about the programme on: [http://www.myeos.org/files/events/eosam2006\\_programme.pdf](http://www.myeos.org/files/events/eosam2006_programme.pdf)

The General Chair of this Scientific EOS Annual Meeting is Joseph Braat, the acting President of the European Optical Society (EOS).

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**MONA** will have booth at the **OPTO 2006** at Paris Expo, Porte de Versailles in Paris from October 16-19, 2006 in order to inform a large audience about the progress of the MONA project.

The OPTO 2006 exhibition is part of the Forum de l'Electronique - Mesurexpo - Opto. With 900 exhibitors and 22,000 visitors, the Forum de l'Electronique 2005 was already a great success and the organizers expect even more exhibitors and visitors for 2006. Please visit us Hall 7.3, booth G2

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