

EOS Member Newsletter May 2007

Topics in this issue

- New EOS website offers various new functions 1
- Presentation of the MONA nanophotonics roadmap 1
- AGM 2007 and EOS Conferences 2007 1
- German WLT becomes an EOS Affiliated Society 2
- New Corporate Member: OWIS GmbH 2
- Cornelia Denz joins the Editorial Board of the Journal of Optics A 2
- Open calls for upcoming EOS Topical Meetings 3
- Co-sponsored events 3
- 3rd EOS Short Course on OFT postponed 3
- New publications in JEOS:RP 4
- Spanish optics and photonics are advancing fast 4
- Inventory of European optics and photonics companies 5
- European Commission is looking for photonics experts

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EOS Office

European Optical Society
Hollerithallee 8
D - 30419 Hannover
Tel.: +49 (0) 511-2788-115
Fax: +49 (0) 511-2788-119
E-Mail: info@myeos.org
www.myeos.org

EOS services

New EOS website offers various new features

The new EOS website was launched on 11 April. Visit www.myeos.org and take advantage of the new functions and features.

Every member has received his/her user login on 11 April. If you have lost your login data, please send an email to info@myeos.org.

Log on to www.myeos.org and:

- Update your address
- Enter your fields of interest
- Search for other members in your field of interest
- Join a Focus Group and meet your colleagues
- Propose a Focus Group
- Submit an abstract for an EOS event
- ...



Log on to <http://www.myeos.org> and update your profile, join a Focus Group, search for other members in your field of interest or submit an abstract for an EOS event

NEW EOS Focus Group on

Photonic Atoms

Chair: Ali Serpengüzel
(Koc University, Turkey)
http://www.myeos.org/members/focus_groups

COMING SOON

- EOS Abstract Library
 - Present your research group at myeos.org
- Send your suggestions for new functions to info@myeos.org!

EOS events

Presentation of the MONA nanophotonics roadmap on 17 June

The MONA nanophotonics roadmap will be presented at the EOS Conference on Trends in Optoelectronics on 17 June from 3 – 6 pm (ICM Munich, room 21).



Read more about MONA at www.ist-mona.org

The MONA project is building a European Roadmap for photonics and nanotechnologies. The background of the process and the people involved will be presented in this session. It will give an overview of the highlights of the roadmap, with time set aside for discussion of the next steps. The MONA roadmaps cover the following areas:

- Semiconductor quantum dot & wires
- Plasmonics / metallic nanostructures including colloidal nanostructures (metal)
- Photonic crystals / High index contrast nanostructures

- Organic nanostructures
- Carbon nanotubes (CNT)
- Integration nanophotonic materials / structures with electronic ICS / Silicon photonics
- Nanoparticles in glass or polymer
- Left-handed metamaterials

This session is open to every attendee of the EOS Conferences on Trends in Optoelectronics and Frontiers in Electronic Imaging as well as to the attendees of any other conference held under the umbrella of the World of Photonics Congress 2007 (WoP 2007).

More information

Email: munch@myeos.org
<http://www.myeos.org/oe2007>

EOS events

AGM 2007 & EOS Conferences 2007

This year's Annual General Meeting of the EOS will be held on Wednesday, 20th June 2007 from 17.30 to 19.00 hrs (location: ICM Munich, room 22).

At the AGM 2007 the membership will hold a vote on the proposed changes to the EOS constitution:

http://www.myeos.org/files/eos_resolutions2007.pdf.

The AGM is co-located with the EOS Conferences in Munich.

Register today for the EOS Conferences on Trends in Optoelectronics (17-19 June) & Frontiers in Electronic Imaging (18-19 June)!

<http://www.myeos.org/munich>

EOS Annual General Meeting

Petra Bindig
bindig@myeos.org

EOS Conferences

Silke Kramprich
kramprich@myeos.org
www.myeos.org/munich

new_members



The Wissenschaftliche Gesellschaft Lasertechnik e.V. - WLT (German Scientific Laser Society) was founded in 1997.



Wolfgang Sandner
(Executive Director of the Max-Born-Institute in Berlin, Germany) is the acting President of the WLT.

German WLT becomes an EOS Affiliated Society

On 2nd May, the EOS Executive Committee accepted the membership application from WLT.

In addition to the first German national optical society, the DGaO (the German Branch of the EOS), the WLT was now accepted as an Affiliated Society of the EOS, making the WLT members associate members of the EOS. With this decision the Execom followed the recommendation from the DGaO.

After Belgium, Germany is the second European country that is represented in the EOS by two national optical societies.

Who is the WLT?

The German Scientific Laser Society (WLT) emerged from the former Scientific Working Group Of Laser Technology. WLT members are heading



Reinhard Poprawe is going to represent the WLT in the EOS Advisory Committee.

large scientific institutions which mainly deal with laser research and laser technology such as laser basics, source development, production engineering, material science, metrology, opto-electronics, and laser medicine.

These institutions include university and off-university

institutes, institutes of the Fraunhofer and Max Planck societies as well as Leibniz and Helmholtz associations. The about 40 institutions run by WLT members employ a total of more than 1500 scientists.

The goals of WLT are:

- supporting of the scientific interests of laser technology and optical technologies.
- identifying and eliminating knowledge deficits
- supporting training and education
- supporting scientific exchange and technology transfer.
- representing the interests of laser technology and the optical technologies in public.

WLT Homepage
www.wlt.de

new_members



Contact
OWIS GmbH
Im Gaisgraben 7
79219 Staufen
Germany

Phone +49 (0)7633 / 9504-0
Fax +49 (0)7633 / 9504-44
<http://www.owis.eu>
info@owis.eu

New Corporate Member: OWIS GmbH

The OWIS GmbH from Staufen in Germany, recently joined the EOS as a Corporate Member.

OWIS GmbH was founded in 1980 and is headquartered in Staufen, in South-Western Germany.

OWIS develops, produces, distributes and services optical beam handling as well as highly precise positioning systems – still according to the maxim »Made in Germany«. Information technology, mechanical engineering, biotechnology, medicine, image processing and printing industry are some of their product application areas. An own development and an ultramodern manufacturing make OWIS to your perfect system partner in connecting macro, micro and nano worlds.

EOS_publications

Cornelia Denz joins the Editorial Board of the Journal of Optics A

In March 2007, Cornelia Denz was appointed to the Editorial Board of JOA.

Cornelia Denz will now serve as the EOS liaison on the Editorial Board of the EOS Journal of Optics A - Pure and Applied Optics that is published by the Institute of Physics (IOP).

The newly created position of the deputy editor will be taken on by Nikolay Zheludev from the University of Southampton, United Kingdom, in June 2007.

About JOA

The Journal of Optics A covers all aspects of modern and classical optics: experimental and theoretical studies, applications and instrumentation. The acting Editor-in-Chief is



EOS Board Member Cornelia Denz from the Westfälische Wilhelms-Universität in Münster, Germany

Colin Sheppard from the National University of Singapore. The publication frequency is six issues per year.

EOS members are entitled to a reduced subscription rate.

More information

jopa@iop.org
www.iop.org/EJ/journal/1464-4258
Request a sample copy
www.iop.org/EJ/samplecopy/1464-4258/1

EOS_events

Open Calls-for-Papers for upcoming EOS Topical Meetings in 2007

EOS Topical Meeting on Advanced Imaging Techniques

12 - 14 September 2007; Lille, France

Topics

- Advanced techniques in microscopic and lithographic imaging
- Advanced imaging in astronomy
- Phase contrast imaging
- Quantum imaging
- Optical coherence and diffraction tomography
- Adaptive optics
- Optical data storage
- Biomedical imaging
- Imaging with metamaterials
- Use of phase singularities in imaging
- Instrumentation
- New technologies

Submission deadline

31 May 2007 (extended)

Contact and more information

lille@myeos.org
www.myeos.org/lille

2nd EOS Topical Meeting on Optical Microsystems

30 Sept. - 3 Oct. 2007; Capri, Italy

Topics

- Optical microsystems and microsensors
- Optofluidic microsystems and devices
- Photonic crystals and metamaterials
- Nonlinear optic devices
- New characterisation methods for materials and devices
- Application of optical systems in:
- Information society technology
- Automotive, avionics and aerospace
- Environment, geophysics and microgravity
- Genomics and proteomics
- ...

Submission deadline

End of May 2007

Contact and more information

Email: ivo.rendina@na.imm.cnr.it
www.myeos.org/capri

6th EOS Topical Meeting on Diffractive Optics

20 - 23 Nov. 2007; Barcelona, Spain

Topics

- Modeling of DOEs by rigorous and approximate techniques
- DOE design theory and techniques
- Fabrication of DOEs
- Characterization of DOEs
- System integration
- Modeling of optical systems that include DOEs
- Programmable DOEs
- Sub-wavelength structures
- Photonic crystals
- Novel materials
- Metamaterials
- ...

Submission deadline

11 May 2007 (extended)

Contact and more information

barcelona@myeos.org
www.myeos.org/barcelona

EOS_co-sponsored_events

Upcoming co-sponsored events

EOS members are entitled to reduced registration fees for the following EOS co-sponsored events.

Photonics Innovation Forum and Kaiser-Friedrich Research Award 2007

Photonic-Net

Kompetenznetz Optische Technologien

15 May 2007, Goslar, Germany

www.photonicnet.de

Adaptive Optics for Industry and Medicine [\[more\]](#)

12 - 15 Jun. 2007, Galway, Ireland

<http://optics.nuigalway.ie/aoim2007/index.html>

European Conferences on Biomedical Optics 2007 (ECBO)

17-21 June 2007, Munich, Germany

www.spie.org/biomedical-optics-europe.xml

SPIE Europe Optical Metrology 2007

18 - 21 June 2007, Munich, Germany

www.spie.org/optical-metrology-europe.xml

4th International Summer School on New Frontiers in Optical Technologies

13 - 17 August 2007, Tampere, Finland

www.orc.tut.fi/school2007.html

8th International Conference on Correlation Optics

11 - 14 September 2007, Chernivtsi, Ukraine

www.myeos.org/node/165

SPIE Europe Remote Sensing 2007

17 - 21 September 2007, Florence, Italy

www.spie.org/remote-sensing-europe.xml



5th International Conference on Laser Assisted Net Shape Engineering

RIAO / OPTILAS 2007

21 - 26 October 2007, Campinas-SP, Brazil

www.myeos.org/node/192

EOS co-sponsorship application form

Click here to download the co-sponsorship application as pdf-file (393 kb):

<http://www.myeos.org/files/ApplicationforEOSCo-Sponsorship.pdf>

The MS-Word file (116 kb) is available at:

<http://www.myeos.org/files/ApplicationforEOSCo-Sponsorship.DOC>

EOS_events

3rd EOS Short Course on OFT postponed

The 3rd EOS Short Course on Optical Fabrication Technology (OFT) was postponed to 11 - 12 October 2007.

Main topics

1. Optical shop optimization techniques (mass- production versus state-of-the-art single piece production)
2. Polishing research (FJP: a novel finishing method for high end optics)
3. On machine monitoring of surface roughness during polishing and grinding

Location and timetable

FISBA Optik AG, St .Gallen, Switzerland
11 - 12 October 2007, 9.00 - 17 hrs

Registration

Early-bird deadline: 15 September 2007

Regular attendees: 300 Euro

Students: 200 Euro

Organized in cooperation with



Contact

Petra Bindig
bindig@myeos.org
www.myeos.org/stgallen



Hungarian Optical Society (HOS)

IOP Institute of Physics Optical Group



Affiliated Societies

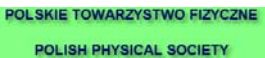
Comité Belge d'Optique
CBO - BCO Belgisch
Comite voor Optica

Czech and Slovak Society
for Photonics (CSSF)



FINNISH OPTICAL
SOCIETY (FOS)

Nederlandse Vereniging voor Fotonica



ROMANIAN
OPTOELECTRONICS
SOCIETY (ROS)

SOCIEDAD
ESPAÑOLA DE
OPTICA (SEDO)



JEOS:RP publications

New publications in JEOS:RP

Several new papers were published in JEOS:RP, the electronic Journal of the European Optical Society Rapid Publications at www.jeos.org.

JEOS:RP is an open-access journal. To read the full papers, please click on the links:

Enhanced transmission through arrays of subwavelength holes in gold films coated by a finite dielectric layer [07009]

S. Xiao, N. A. Mortensen, M. Qiu
www.jeos.org/index.php/jeos_rp/article/view/07009

Active microcavity and coupled cavities in one-dimensional photonic crystal [07010]

D. Biallo, A. D'Orazio, V. Petruzzelli
www.jeos.org/index.php/jeos_rp/article/view/07010

JOURNAL OF THE
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www.jeos.org

High-NA aberration retrieval with the extended Nijboer-Zernike vector diffraction theory - Erratum [07011e]
S. van Haver, J.J.M. Braat, P. Dirksen, A. J.E.M. Janssen
www.jeos.org/index.php/jeos_rp/article/view/07011e

Computing Zernike polynomials of arbitrary degree using the discrete Fourier transform [07012]

A. J.E.M. Janssen, P. Dirksen
www.jeos.org/index.php/jeos_rp/article/view/07012

Terahertz imaging: a new non-destructive technique for the quality control of plastic weld joints [07013]

S. Wietzke, C. Jördens, N. Krumbholz, B. Baudrit, M. Bastian, M. Koch

www.jeos.org/index.php/jeos_rp/article/view/07013

Probing canonical geometrical objects by digital spiral imaging [07014]

G. Molina-Terriza, L. Rebane, J. P. Torres, L. Torner, S. Carrasco
www.jeos.org/index.php/jeos_rp/article/view/07014

Publication rates

EOS Member rate: 350 €
Non-member rate: 400 €

Author information

Click [here](#) to read the JEOS:RP author guidelines.

Contact

Peter Török
(Deputy Editor)
torok@myeos.org
www.jeos.org



spotlight_europe

Spanish optics and photonics are advancing fast

Optics and photonics research in Spain are growing rapidly: The national and regional funds for research, development and innovation have noticeably increased.

Besides the grants from regular national open calls, four thematic networks are funded by the Spanish Ministry of Education and Science:

- Image and multidimensional signal processing
- Visual Optics
- Color Science and Technology
- Quantum and Non-Linear Optics

The program CONSOLIDER-INGENIO 2010 of the Spanish Ministry of Education and Science was initiated in 2005 to support research "on the frontier". 17 projects from all areas were funded within the scope of the first call (4M€/5-year project) with one on

optics: "Quantum Optical Information Technologies".

European integration

Additionally, Fotónica21, the Spanish equivalent of the European Technology Platform Photonics21, has recently been launched and is funded by the Spanish Ministry of Industry, Tourism and Trade.



Concepción Domingo, President of SEDOPTICA and representative of the Affiliated Societies in the EOS Board

Also, Spain plays an active role in EU Networks of Excellence, such as NEMO, Phoremost, Metamorphose, SPP and Plasmon Nano Devices.

Spin-off companies

Various spin-off companies from university research groups, such as (DAS)Photonics, Polytechnical Univ. of Valencia; Chylas, Univ. of Valencia, and other research institutes

(Radiantis, ICFO, Barcelona) are another growth indicator.

SEDOPTICA

The Spanish Optical Society (SEDOPTICA, the newly established acronym) will celebrate their 40th anniversary in 2008. SEDOPTICA's six committees (color, visual sciences, optoelectronics, image techniques, spectroscopy and education) practically represent all Spanish universities and institutions from the field of optics and the related industries. (www.sedoptica.es)

Authors:

Concepción Domingo is Senior Researcher at the Institute of Structure of Matter of the Spanish Research Council (CSIC), and President of the Spanish Optical Society (SEDOPTICA).

Santiago Mar is Full professor of Theoretical Physics, Atomic Physics and Optics of the University of Valladolid, and past President of SEDOPTICA.

spotlight europe

Inventory of European optics and photonics companies European Commission is looking for photonics experts

OPERA 2015 provides inventory of European optics and photonics companies at www.opera2015.org.

A list with basic information about these companies is available on the OPERA website at: <http://www.opera2015.org/national/db.asp> and http://www.opera2015.org/national/industrial_activities.asp. This inventory covers the 27 EU Member States as well as Israel, Norway, Switzerland and Turkey.

If your company is not yet listed in the OPERA inventory, please contact Bart Snijders (workpackage manager) at bart.snijders@tno.nl.

At present, 647 European laboratories working in the field of optics and photonics have been identified.

www.opera2015.org

FP7 photonics experts

The European Commission is looking for FP7 photonics experts for the evaluation of proposals submitted to the "Photonic Components & Systems" objective of the ICT (Information Communication Technologies) Programme, and for the assessment of current projects related to Photonic Components. In particular, members with industry background are encouraged to apply.

Prospective independent experts are expected to have a high level of professional experience in the public or private sector in one or more of the following areas of activities:

- research in the relevant scientific and technological fields
- administration, manage-

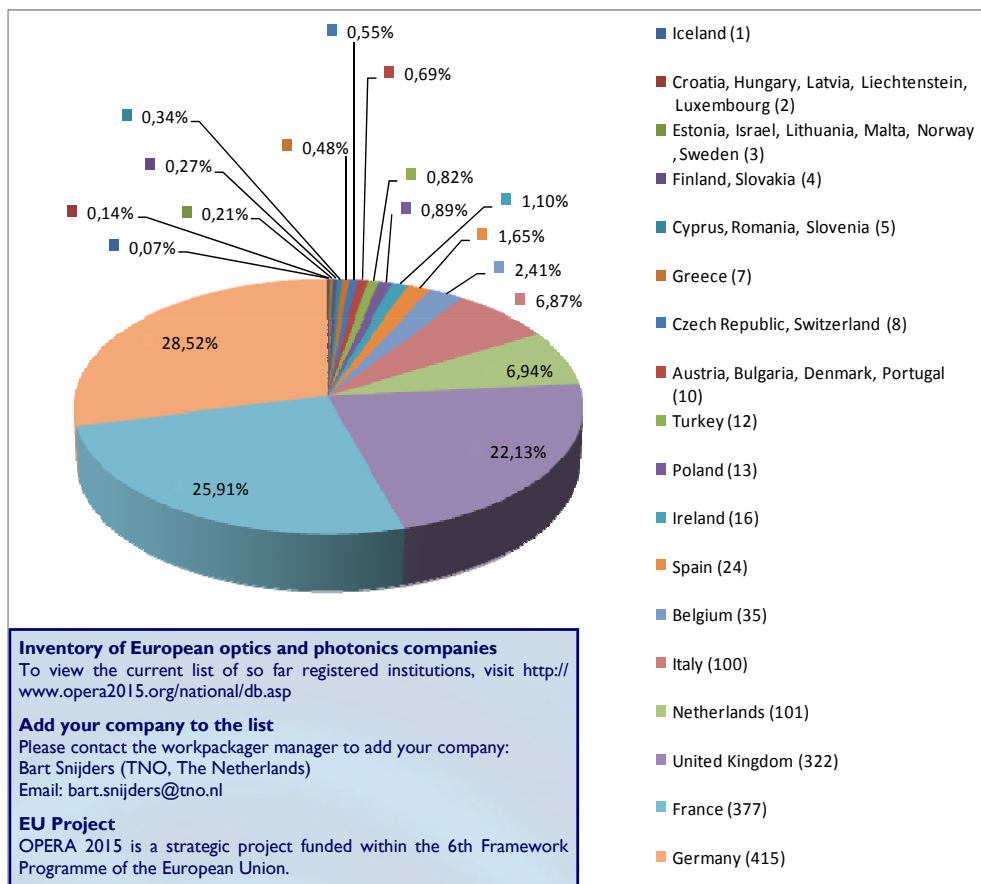
ment or evaluation of RTD projects

- use of the results of RTD projects
- technology transfer
- innovation, and business cooperation, particularly with regard to SMEs
- issues at the interface of science and society
- international cooperation in science and technology.

If you are interested in becoming an evaluator or reviewer for FP7 Photonics projects, please register in the Commission's FP7 database at <https://cordis.europa.eu/emmf7/> and then send an email with your areas of expertise to Dr. Gustav Kalbe

(gustav.kalbe@ec.europa.eu) or Markus Korn

(markus.korn@ec.europa.eu) in the EU Photonics Unit.



Inventory of European optics and photonics companies
To view the current list of so far registered institutions, visit <http://www.opera2015.org/national/db.asp>

Add your company to the list
Please contact the workpackager manager to add your company:
Bart Snijders (TNO, The Netherlands)
Email: bart.snijders@tno.nl

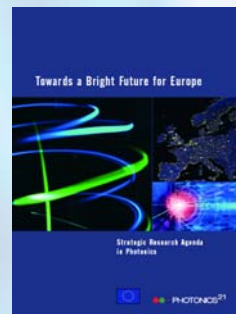
EU Project
OPERA 2015 is a strategic project funded within the 6th Framework Programme of the European Union.



... is a strategic project funded within the 6th Framework Programme of the EU and is dedicated to developing a joint strategy for optics and photonics in Europe.

The EOS is a member of the OPERA2015 consortium.
www.opera2015.org

The first Photonics Strategic Research Agenda "Towards a Bright Future for Europe" was finalised in April 2006.



Download: [Photonics SRA](#) (pdf-file; 4.55 MB)



... is a Technology Platform for all stakeholders in photonics and has more than 400 members from all over Europe and beyond.

The EOS is a member of Photonics21 and is represented in the Executive Board by the former EOS President Chris Dainty (National University of Galway, Ireland).

EOS EU Representative Peter Seitz is a member of the Board of Stakeholders of Photonics 21.

www.photonics21.org