

Dear colleagues,
Welcome to the first issue of the e-Photon/ONE Newsletter! The Network has already been up and running for one year and a lot of things have happened this last year. Just to give you an idea there have been already 13 researchers who took advantage of the possibilities offered by e-PHOTON/ONE WP11 to do research at another location. Workshops, Summer Schools and meetings have taken place. In this issue however we try to keep you up to date with the latest news, deadlines and announcements- just in case you haven't checked the website <http://www.e-photon-one.org/>
Hope you enjoy the first issue
The editorial team

Deliverables and Reports

D4.1: Key issues in optical switching systems (VD4)

D4.1 is now available by request. Please send an email to Mads L. Nielsen: mln@com.dtu.dk.

D4.3: VD4 Technical Report (VD4)

A first draft of D4.3 is expected to be ready by the end of this month. Please send your input ASAP to Mads L. Nielsen: mln@com.dtu.dk.

D7.1: Key Issues in optical packet switching and final list of JP1 activities

D7.1 is now available by request (e-Photon members). Please send an email to Alex Stavdas: astavdas@mail.ntua.gr.

D9.1 Key control plane issues in optical networks and final list of JP4 tasks and activities (JP4)

D. 9.1 is now available (e-Photon members). Please send an email to Mario Pickavet: mario.pickavet@intec.ugent.be

D11.2 Reports on short term missions and travels in the first year (WP11)

In the first year there have been already 13 researchers who took advantage of the possibilities offered by e-PHOTON/ONE to do research at another location for a short or longer period.

Researchers have been traveling between Greece and The Netherlands, between Spain and Belgium, between Italy and Sweden. Brief overview of the past mobility events will be given in deliverable D11.2, which will be distributed shortly to e-Photon partners.

D13.1: Description of existing lab structures and list of equipment (WP13)

Web pages describing laboratories and facilities at partners participating in WP13 were completed in October of 2004. They are available at: <http://www.ee.ucl.ac.uk/~eburr/e1>, however access is restricted to e-Photon members. The pages can be updated with information regarding additional/new facilities to be made available by the participating partners.

D13.2: Joint Experiment Plan (WP13)

The Joint Experiment Plan was circulated on 14th January 2004 together with time plan for Joint Experiments (M13.3). At the time of circulation it was not possible to include details of some Joint Experiments. Descriptions of these additional Joint Experiments are currently being assembled and will be incorporated in a revised Joint Experiment Plan, to be circulated on or before 4th February.

D14.2: Proceedings of workshops organized or strongly supported by e-Photon/One in the first year (WP14)

This public deliverable is now available on the website and includes reports on workshops held at ONDM, ECOC, NOC, OECC (Japan), WOBS (USA), during 2004. Please send an email to Mike O'Mahony: mikej@essex.ac.uk

Events

10th February 2005, Milan- Italy e-Photon ONE: Plenary Meeting

<http://e1-winterschool.av.it.pt>

23th -25th February 2005, Aveiro- Portugal e-Photon ONE: Winter School on Core Network Technologies

<http://www.dgmpincor.it/e-photon-one/info.htm>

e-Photon ONE News

A steering committee has been set up for WP13

The chairman is: Alwyn Seeds, University College London, UK (a.seeds@ee.ucl.ac.uk). The committee members are: Slavisa Aleksic, Technical University of Vienna, Austria, Javier Aracil, Universidad Publica de Navarra, Spain, Valter Ferrero, Polytechnic of Torino, Italy, Ronald Freund, FhG-Heinrich Hertz Institut, Germany, Antonio Teixeira, University of Aveiro, Portugal.

e-Photon ONE QoS Testbed at FUB (WP13)

FUB have implemented a testbed for objective and subjective measurements of quality of service (QoS) in optical IP networks which is potentially available for shared experiments within e-Photon/ONE. A presentation describing this facility is available at:
<http://www.ee.ucl.ac.uk/~eburr/e1/QoS.ppt>

If you plan a research exchange or looking for a host...(WP11)

New proposals for the exchange of researchers are still welcome and should be addressed to Geert Mortier: morthier@intec.ugent.be. Procedures are described in deliverable D11.1 Postings of hosts looking for external researchers are present on the website of e-PHOTON/ONE.

New notification service in education (WP12)

You can check and register with the new experimental notification service in education now:
<http://radiohead.zavod.tel.fer.hr:8080/m-News/servlet>

Joint WP1-WP9 meeting took place during the e-Photon ONE plenary meeting

The virtual department WP1-VD1 is leading the integration activities on optical core networks. One of the research topics within this area, protocols for the control plane in the WDM networks, is the subject of the specifically designed joint project WP9-JP3. Due to the natural relation between these two workpackages and the largely overlapping set of e-Photon/ONE partners involved, the two workpackages had a joint meeting in Milano at Feb. 9, 2005.

Interesting Links

IST BREAD – Broadband in Europe for All: a multi-Disciplinary approach: www.ist-bread.org

EU Information Society:

http://www.europa.eu.int/pol/infso/index_en.htm

Group of the month : Politecnico di Torino (<http://www.tlc.polito.it>)

PolITO is as the coordinator of the e-Photon/ONE consortium.

It is one of the leading Italian technical universities. PolITO staff involved in e-Photon/ONE has a background in research and educational activities in the area of optical communications systems and networks. Two groups are involved in e-Photon/ONE: the optical communications group (OCG), and the optical networks group (ONG). The OCG has been dealing with simulation of optical communications systems and was the original creator of the OptSim package, later turned into a successful commercial product by a private company. The group has also been concerned with alternative modulation formats for improved performance and resilience both in the long-haul and metro scenario, both theoretically and experimentally. The ONG has recently focused on different aspects related to optical networking: algorithms for logical topology design, access protocols for metropolitan optical networks, scheduling algorithms for broadcast and select networks. Both the OCG and ONG have contributed to the design and implementation of advanced optical packet-switched metropolitan ring testbed, called RINGO. The OCG and ONG have teamed up with the optoelectronics group of Politecnico to give birth to PhotonLab, a new experimental laboratory of 300 m², equipped with a clean room and state of the art T&M equipment. Upgrade of the current 10 Gbit/s facility 40 Gbit/s has been planned and fully funded for the near future. Recently, PolITO has been involved in international research projects on optical networking such as IST-DAVID, ACTS-SONATA, ACTS-CRABS, NSF-MOSAICnet, NSF-OPERA, as well as Italian national projects such as RINGO and IPPO.