

Call for Papers

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4rd International Workshop NPO2014

Nanocarbon Photonics and Optoelectronics

28 July–1 August, 2014, Holiday Centre “Huhmari”, Polvijärvi, Finland



Lake Höytiäinen, North Carelia, Finland

Workshop Co-Chairs

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Hiromichi Kataura, AIST, Japan

Scope

Both fundamental and application problems related to the photonic and optoelectronic applications of nanocarbon materials have recently attracted the attention of research community worldwide. The NPO2014 is the fourth workshop in a series of meetings devoted to progress in this field. The Workshop will be focused on photonics and optoelectronics of graphene, graphene nanoribbons, carbon nanotubes and nanodiamonds. The subjects included are the following:

Photonics and optoelectronics with graphene and graphene nanoribbons

Carbon nanotubes photonics and electronics

Electronic properties of diamond and nanodiamonds

Nonlinear optics of nanocarbon materials

Nanocarbon materials synthesis and characterization

Workshop program

The scientific program begins on Monday, July 28, and ends on Friday, August 1. The program will include invited lectures as well as oral and poster presentations of Workshop participants on various aspects of the nanocarbon photonics and optoelectronics.

Invited lectures will be presented by

- **Prof Werner Blau**, Trinity College, Ireland
- **Prof Andrey Chuvilin**, CIC nanoGUNE, Spain
- **Prof Roman Fasel**, EMPLA, Switzerland
- **Prof Andrea Ferrari**, Univ Cambridge, UK
- **Prof Dmitri Golberg**, NIMS, Japan
- **Prof Makoto Gonokami**, Univ Tokyo, Japan
- **Prof Tony Heinz**, Univ Columbia, USA
- **Prof Ado Jorio**, UFMG, Brazil
- **Prof Hiromichi Kataura**, AIST, Japan
- **Prof Esko Kauppinen**, Aalto Univ, Finland
- **Prof Jong Min Kim**, Univ Oxford, UK
- **Prof Vladimir Kuznetsov**, Institute of Catalysis RAS, Russia
- **Prof Guglielmo Lanzani**, Politecnico di Milano, Italy
- **Prof Harri Lipsanen**, Aalto Univ, Finland
- **Prof Shigeo Maruyama**, Univ Tokyo, Japan
- **Prof Robert Nemanich**, Univ Arizona, USA
- **Prof Stephen Purcell**, Univ Lyon 1/CNRS, France
- **Prof K Venkat Rao**, KTH, Sweden
- **Prof Riichiro Saito**, Univ Sendai, Japan
- **Prof Pierre Viktorovitch**, Ecole Centrale Lyon, France
- **Prof Ming Zheng**, NIST, USA

Titles and abstracts of the invited talks will be published at the Workshop website <http://www.npo.fi>.

Venue & how to get there

Holiday Centre "Huhmari" offers all the comforts for a scientific meeting combined with an opportunity to enjoying the wonderful and unique landscape of North Karelia, one of the most beautiful parts of the Finland's lake district. The Workshop venue is situated on the shores of the Höytiäinen, 15th largest lake in Finland. The broad waters and numerous islands of lake Höytiäinen provide visitors with magnificent scenery.

The Distance between Joensuu and Holiday Centre Huhmari is about 30 km. Joensuu can be easily reached by plane or train from Helsinki. Bus

transportation between Joensuu and the Holiday Centre “Huhmari” will be arranged by the organizers.

When you travel to Finland by plane, you will most probably arrive at Helsinki-Vantaa international airport, which is served by many airlines. There are several flights per day between Helsinki-Vantaa and Joensuu with Finnair. Timetables can be found at <http://www.finnair.com>.

The railway link between Helsinki and Joensuu is operated by VR. There are several daily connections, the travel time is about four and half hours. If you arrive at Helsinki-Vantaa airport and wish to continue to Joensuu by train, you should take either bus No 61 or a taxi from the airport to Tikkurila train station. The travel time between the airport and Tikkurila station is about 20-30 minutes. If you wish to stay in Helsinki overnight, you can begin your train journey from the Helsinki railway station.

The distance between Helsinki and Joensuu is around 450 km, i.e. the car journey may require up to six hours. You may rent a car from one of the international car rental companies at Helsinki-Vantaa airport.

Registration fee

The registration fee depends on the lodgings chosen. Please check the details of the lodging facilities at the holiday centre website: www.lomakeskushuhmari.com.

Three options are available:

- €550 4 persons share a cottage
- €650 2 -3 persons share a cottage
- €800 single person in a cottage

The registration fee includes full board accommodation during the Workshop, the Workshop Proceedings, Welcome party on July 28, Workshop excursion, Workshop reception and a boat trip dinner on August 1. Registration of accompanying person is available. Please, contact the organizers.

The Workshop fee will be due after the notification of acceptance.

Financial support

Financial support may be available for students. The application for financial support including CV, list of publications and a letter of recommendation from the applicant’s scientific advisor should be submitted by 02.05.2014.

Important dates:

Abstract submission deadline	May 2, 2014
Notification of acceptance	May 16, 2014
Registration and payment deadline	June 10, 2014

Pre/post-conference activities

Your trip to Joensuu (see <http://www.joensuu.fi>) will probably include a change of planes in Helsinki. Being the capital of Finland, Helsinki has numerous tourist attractions (see <http://www.helsinki.fi>), therefore being well worth a short stay either before or after the conference. See also the pages of Finnish tourist board (<http://www.mek.fi>). It is also possible to travel between Helsinki to Joensuu by train. The train journey takes about four and half hours.

The city of Savonlinna is located some 150 km away from Joensuu and is reachable from there by bus or train. The main attraction of Savonlinna, a town surrounded by lakes, is the Olavinlinna Castle, one of the biggest medieval fortresses in Europe. A famous Savonlinna Opera Festival takes place in the castle annually in July. You may consider attending the Mozart's "The Magic Flute" or Verdi's "Nabucco" (presented by Welsh National Opera) on July 26 or August 1, respectively. The festival program can be found at <http://www.oopperajuhlat.fi/en>. Please note that tickets should be reserved well in advance.

Further information:

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