

The Conference - School is intended for young scientists and PhD students interested in Materials Science and Condensed Matter Physics. This year the Conference - School is devoted to the organic materials, atomic scale technologies, new catalysts, nanostructures and nanocomposites, metamaterials, electronic processes, imaging techniques and etc. The lectures, poster presentations, round table discussions with industry representatives as well as COST information day will be organized.

Topics and areas

- »Methods of analysis;
- »Surfaces and nanostructures;
- »Ceramics;
- »Polymers and composites;
- »Advanced engineering materials;
- »Electronic and optical materials.

Important dates

- »**May 10, 2009** deadline for the registration and abstracts;
- »**May 31, 2009** payment of the registration fee and deposit of one day accommodation (for KTU guest house "Politechnika");
- »**June 17, 2009** final announcement;
- »**August 27, 2009** beginning of the Conference - School

Further information:

PhD student Asta Šileikaitė,
ph. +37037313432, fax. +37037314423,
mob. +37067201920;
E-mail: Konf.SMT@cr.ktu.lt,
asta.sileikaite@stud.ktu.lt
KTU Institute of Physical Electronics,
Savanoriu av. 271, LT-50131 Kaunas,
Lithuania

Registration and information:
www.fei.lt/amtpalanga

Organizers

Institute of Physical Electronics of KTU (FEI)
Kaunas University of Technology (KTU)
Institute of Theoretical Physics and
Astronomy of Vilnius University (VU TFAI)
Vilnius Gediminas Technical University (VGTU)
Semiconductor Physics Institute (PFI)
Vilnius University (VU)
Lithuanian Energy Institute (LEI)
Institute of Solid State Physics University
of Latvia (ISSP)

Programme committee

Prof. S. Tamulevičius (KTU, FEI) - chairman
Prof. R. Kažys (KTU)
Prof. R. Šiaučiūnas (KTU)
Prof. A. V. Valiulis (VGTU)
Dr. B. Vengalis (PFI)
Prof. A. Kareiva (VU)
Prof. K. Jarašiūnas (VU)
Prof. G. Tamulaitis (VU)
Prof. E. Juzeliūnas (Institute Of Chemistry)
Prof. G. Juzeliūnas (VU TFAI)
Dr. R. Levinskas (LEI)
Dr. Habil. Andris Sternberg (ISSP-Riga)

Organizing committee

Prof. S. Tamulevičius (KTU, FEI) - chairman
PhD student A. Šileikaitė (FEI) - secretary
Dr. M. Andrulevičius (KTU, FEI)
Dr. L. Puodžiukynas (KTU, FEI)
Dr. E. Fataraitė (KTU, FEI)
Dr. J. Puišo (KTU, FEI)
Dr. M. Adomavičienė (KTU)
PhD student T. Tamulevičius (FEI)
PhD student E. Navickas (KTU, FEI)
Msc student A. Vasiliauskas (KTU, FEI)
Msc student V. Morkūnas (KTU, FEI)

Sponsors

Lithuanian State Science and Studies Foundation;
Kaunas University of Technology;
JSC "ArmGate";
JSC "Grida LAB"



First Announcement

The 11th International Conference-School

ADVANCED MATERIALS AND TECHNOLOGIES

August 27-31, 2009
Palanga

Tentative list of lectures

Dirk Hertel (Universität zu Köln, **Germany**), Organic LEDs: charge transport, photophysics and bimolecular processes;
Masashi Kato (Nagoya Institute of Technology, **Japan**), Characterization of deep level and carrier lifetime in silicon carbide;

Artūras Žukauskas (Vilnius University, **Lithuania**), Colour quality of lighting;

Juozas Vidas Gražulevičius (Kaunas University of Technology, **Lithuania**), Organic electroactive materials for optoelectronic and electronic applications;

Marek Szymonski (Jagiellonian University, **Poland**), Atomic scale technologies for assembling, characterization, and manipulation of nanostructures at solid surfaces;

Frank Balzer (Syddansk University, **Denmark**) Organic nanowires;

Andrei V. Malkov (Loughborough University, **UK**), New supported catalysts for parallel chemistry in drug discovery;

Gediminas Juzeliūnas (VU TFAI, **Lithuania**), Surface polaritons in metamaterials;

Valeriy Yashchuk (National Taras Shevchenko University, **Ukraine**) The electronic processes in pi-electron-containing synthetic and biopolymers. The fundamental and applied aspects;

Vidas Gulbinas (Institute of Physics, **Lithuania**) Exciton and charge carrier dynamics in conjugated polymers;

Ulrich Schubert (Viena University of Technology, **Austria**), Sol-Gel nanocomposite materials from molecular building blocks;

Arūnas Ramanavičius (Vilnius University, **Lithuania**), Nanostructured conducting polymers for biosensor design;

Patrick Villechaise, Jean-Charles Stinville (Laboratoire de Mécanique et de Physique des Matériaux, **France**), The influence of nitrogen on the fatigue life of stainless steel 316L;

Sören Mattsson (Lund University, **Sweden**), Recent technical developments and trends in x-ray and molecular imaging;

Uwe Kreibig (RWTH Aachen University, **Germany**), Optical properties of metal clusters;

Algirdas Matulis (PFI, **Lithuania**), Graphene and polymers;

Jurgis Vilemas (LEI, **Lithuania**), Future of renewable energy and new materials

Duration of oral presentation lecture: 45 or 90 minutes

Place:

» KTU guest house “**Politechnika**”, S. Dariaus and S. Girėno str. 37, Palanga (Registration);

» Hotel “**Palangos Vėtra**”, Daukanto str. 35, Palanga, Lithuania (Conference - School).

Registration fee:

» **50 LTL** (15 EUR) for the students;

» **100 LTL** (30 EUR) for other participants.

It includes book of abstracts, participation in all sessions and conference events (coffee breaks and conference welcome party).

The registration fee does not include accommodation costs!

Accommodation costs:

» Approximately **30 LTL** (9 EUR) per day in KTU guest house “Politechnika”;

» For prices in hotel “Palangos vėtra” please visit <http://www.vetra.lt>. It is also possible to book rooms in hotel “Austėja” (www.hotelausteja.lt). These hotels offer special prices for participants of the conference.

Abstracts and lecture materials:

The **book of Abstracts** in printed version will be distributed during the Conference-School. The participants, wishing to give oral or poster presentations, are kindly asked to submit the abstract (up to 1200 characters) in electronic version.

The abstract should be uploaded after the registration on the website www.fei.lt/amtpalanga/upload.php.

The text will not be edited. The lecturers are kindly asked to deliver materials of the lecture (electronic version) to the Organizing Committee during the registration.

The materials of oral presentations will be published on CD and will be sent after the conference to all the participants



Palanga is an international seacoast resort for active recreation and rehabilitation treatment also offering a wide range of entertainments. It became a famous resort in early XX century and presently is one of the largest resorts and tourism centres of Lithuania. As a recreation place, it has already operated for a century and a half. People come here to escape from their daily urbanized routines and gain strength from natural resources: the sun, sea water and fresh pine-forests' air. There also are many things to see in Palanga: from the wonderful white sand beaches and variety of remarkable landscapes to Museum of Amber, Botanical Gardens, Birute's hill and Church of Saint Marie. It is also a fine plan to have a great night out with your friends in one of the bars and nightclubs, of which the town now has plenty.

Palanga has its own small airport with the international flights from the United Kingdom, Ireland, Norway, Denmark and Latvia. One can also use Vilnius international airport - still the most convenient way to enter Lithuania. More detailed information about Lithuania and Palanga can be found on the websites:

<http://www.tourism.lt>

<http://www.palanga.lt>

<http://www.palangatic.lt/en.php/>