

International Conference-School for Young Scientists
«Modern Problems of Applied Mathematics & Computer Science»

August 22-27, 2012

Dubna, Russia

The International Conference-School for Young Scientists “Modern Problems of Applied Mathematics & Computer Science” will be held at the [Joint Institute for Nuclear Research](#) (JINR), Dubna, near Moscow, Russia, on August, **22 – 27**, 2012. It will be held under the auspices of the National Committee of the Society for Industrial and Applied Mathematics (SIAM) and the International Coordination Committee for Computational Mathematics of the CIS Academies of Sciences, with financial support of the Russian Foundation for Basic Research.

The Conference-School is intended for young scientists and specialists involved in development of advanced methods of applied mathematics in topical problems of science and technology. The aim of the Conference is to increase participants’ professional level in the areas of efficient computing technologies, numerical simulation, programming methods and tools for modern high-performance multiprocessor computing systems.

The invited lecturers at the Conference comprise well-known scientists from Russia and the CIS, professors of leading universities and scientific institutions, members of academies of sciences. The School will provide the young participants with a wide range of opportunities for establishing personal contacts, for informal communications as well as discussions of scientific results with leading researchers.

Conference-School Topics

- Modern numerical methods
- Computing platforms, tools and methods of programming
- Mathematical modeling in science and technology

The agenda comprises present-day problems of applied mathematics and computer science:

- invited talks
- oral contributions
- posters
- young researchers’ mini-symposia
- round-table discussions on problems the young people face at the launch of their scientific careers.

Conference languages – Russian and English

Organizers

- Keldysh Institute of Applied Mathematics, RAS
- Laboratory of Information Technologies, JINR
- Institute of Numerical Mathematics, RAS
- Research Computer Center, MSU

ORGANIZING COMMITTEE

Chetverushkin B.N.	Academician of RAS, KIAM, RAS	chair
Afendikov A.L.	professor, KIAM, RAS	co-chair
Ivanov V.V.	professor, LIT JINR	co-chair
Voevodin V.V.	Corresponding Member of RAS, RCC MSU	
Ivannikov V. P.	Academician of RAS, ISP RAS	
Kudryashov N.A.	professor, NRNU MEPhI	
Makarov V.L.	Academician of UNAS, IM, UNAS	
Matus P.P.	professor, Institute of Mathematics of NAS, Belarus	
Popov Yu.P.	Corresponding Member of RAS, KIAM, RAS	
Tyrtysnikov E.E.	Corresponding Member of RAS, INM, RAS	
Usmanov Z.D.	Academician of ASRT, MITAS, Republic Tajikistan	
Polyakov S.V.	KIAM, RAS	scientific secretary
Streltsova O.I.	LIT JINR	scientific secretary

LOCAL COMMITTEE

Ivanov V.V.	professor, LIT JINR,	chair
Afendikov A.L.	professor, KIAM, RAS	co-chair
Zrelov P.V.	LIT JINR	co-chair
Polyakov S.V.	KIAM, RAS	scientific secretary
Streltsova O.I.	LIT JINR	scientific secretary
Adam Gh.	professor, LIT JINR	
Aristarkhova M.V.	LIT JINR	
Ayriyan A.S.	LIT JINR	
Bulyga N.I.	LIT JINR	
Grafov A.N.	LIT JINR	
Kalmykova L.A.	LIT JINR	
Korenkov V.V.	LIT JINR	
Lukyanov S.O.	LIT JINR	
Podgany D.V.	LIT JINR	
Pryanichnikova E.V.	ICD JINR	
Rudneva E.M.	LIT JINR	
Rumyantseva O.Yu.	LIT JINR	
Shirkov P.D.	IUNSH Dubna	
Strizh T.A.	LIT JINR	

INVITED LECTURERS

Godunov S. K.	Academician of RAS, Sobolev Institute of Mathematics, Siberian Branch of RAS
Evtushenko Yu.G.	Academician of RAS, CC RAS
Konovalov A.N.	Academician of RAS, ICMMG SB RAS
Levin V.K.	Academician of RAS, Research Institute «Kvant»
Makarov V.L.	Academician of UNAS, Institute of Mathematics, UNAS
Chetverushkin B.N.	Academician of RAS, KIAM, RAS
Eneev T.M.	Academician of RAS, KIAM, RAS
Voevodin V.V.	Corresponding Member of RAS, RCC MSU
Popov Yu.P.	Corresponding Member of RAS, KIAM, RAS
Tyrtysnikov E.E.	Corresponding Member of RAS, INM, RAS
Kholodov A.S.	Corresponding Member of RAS, ICAD, RAS
Galanin M.P.	professor, KIAM, RAS
Zhukov V.T.	KIAM, RAS
Zhukovskii M.E.	KIAM, RAS
Ivanov V.V.	professor, LIT JINR
Kryukov V.A.	professor, KIAM, RAS
Matus P.P.	professor, Institute of Mathematics of NAS Belarus
Polyakov S.V.	KIAM, RAS
Sveshnikov A.G.	professor, MSU, Faculty of Physics
Tishkin V.F.	professor, KIAM, RAS
Favorski A.P.	professor, CMC, MSU
Shagaliev R.M.	professor, RFNC-ARRIEP

Conference Venue

The Conference-School will take place at the [Joint Institute for Nuclear Research](http://www.dubna.ru) in Dubna, Moscow region, in its Recreation Centre “Ratmino” situated on the picturesque bank of the Dubna river near the town of Dubna. Dubna is located 130 km north of Moscow. There is a comfortable rail and bus communication between Moscow and Dubna.

All the relevant information is available at <http://www.dubna.ru>.

Conference participants

Under- and post-graduate students, young scientists and specialists under 35.

The abstracts of the reports will be published as a booklet and will be presented on the conference site.

Proceedings

The best reports of young participants will be published in a special issue of the Journal «Mathematical Models and Computer Simulations (Matematicheskoe Modelirovanie)».

The deadline for the manuscript submission is October 1, 2012.

Permission for publication issued by the author’s home institution is requested at manuscript submission.

Manuscript should be prepared following the journal’s instructions to the authors. Details can be found at the web site: <http://www.maik.ru/cgi-perl/journal.pl?name=matmodcs&lang=eng>.

Arrival and registration

Registration of the participants of the Conference-School will be organized on **August 22, 2012** in Dubna, Moscow region, at the “**Dubna**” hotel (Veksler St., 8) (see attached sketch map).

Time of registration: from **11-00** till **23-00**.

The settling of the conference attendees in the “Ratmino” Recreation centre will be organized after the registration.

For the conference participants who will be staying in town, there will be organized a bus service to the “**Ratmino**” recreation centre from the “Dubna” hotel.

IMPORTANT DATES

- Registration of the participants in the hotel “Dubna”: **August 22, 2012**
- Arrival and settlement in the “Ratmino”: **from August 22, 2012**
- Session in the conference hall of the “Ratmino” recreation centre: during **August 23-27, 2012**
- Departure: **August 28, 2012**

CONTACTS

Address: [Laboratory of Information Technologies](#)
[Joint Institute for Nuclear Research](#)
Joliot Curie Street, 6
141980 Dubna, Moscow region, Russia

Fax: +7(496 21) 65145

Tel: +7(496 21) 62308

Mobile phone of the conference: +7-909-69-94-783

Polyakov S.V. +7(499) 9730385 Issues related to publication of abstracts and proceedings

Streltsova O.I. +7(49621) 64425, 64019 Issues related to transfer of payments on the conference fee, arrival and hotel accommodation

E-mail: mpamcs2012@jinr.ru

URL: <http://mpamcs2012.jinr.ru>

Transportation

Trains and buses from Moscow depart from the Savyolovsky Railway Terminal (Savyolovskaya Metro Station). A fifteen minute walk is needed to get the hotel “**Dubna**” from the Dubna Railway terminal (see attached sketch map).

A current timetable of trains and buses can be found on the Dubna web site at <http://www.dubna.ru/95/>

Sketch map

