

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 under the auspice of the national committee of the International Society for Industrial and Applied Mathematics (SIAM) and the international coordination committee for computational mathematics of the CIS Academies of Sciences at the [Laboratory of Information Technologies](#) (LIT) of the [Joint Institute for Nuclear Research](#) (JINR), Dubna near Moscow, Russia on August, 22 – 27, 2012.

The target of the conference-school is young scientists and specialists involved in the use of advanced methods of applied mathematics for solving topical problems in science and technology by using high-performance computing systems. The Conference-school will increase the participants' professional level in the areas of efficient computing technologies, numerical simulation, programming methods and tools on today 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 on the present-day problems of applied mathematics and computer science comprises of

- 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

Conference Venue

The Conference will take place at the [Joint Institute for Nuclear Research, Dubna](#), Russia. Dubna is a cozy quiet town 130 km north of Moscow on the picturesque banks of the Volga river. There is [a convenient railway](#) and bus connection between Dubna and Moscow. More details about Dubna can be found at <http://www.dubna-oez.ru/eng/>.

Conference participants

Under- and post-graduate students, young scientists and specialists under 35. The Organizing Committee of the Conference will select participants based on the submitted applications. The applications are to be submitted through the Registration Form which is available at <http://mpamcs2012.jinr.ru>.

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	
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 G.	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	
Podgainy 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

Evtushenko Yu.G.	Academician of RAS, CC RAS
Konovalov A.N.	Academician of RAS, ICMMG SB RAS
Makarov V.L.	Academician of UNAS, Institute of Mathematics, UNAS
Chetverushkin B.N.	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
Ivanov V.V.	professor, LIT JINR
Matus P.P.	professor, Institute of Mathematics of NAS Belarus
Shagaliev R.M.	professor, RFNC-ARRIEP
Favorski A.P.	professor, CMC, MSU
Sveshnikov A.G.	professor, MSU, Faculty of Physics
Galanin M.P.,	professor, KIAM, RAS
Zhukovskii M.E.	KIAM, RAS
Kryukov V.A.,	professor, KIAM, RAS
Polyakov S.V.	KIAM, RAS
Tishkin V.F.	professor, KIAM, RAS

Proceedings

Best presentations of the young conference participants will be published as short articles in a thematic issue of the Journal «[Mathematical Models and Computer Simulations](#)».

IMPORTANT DATES

- Deadline for applications - **30 April 2012**
- Deadline for abstract submission - **30 June 2012** (at on-line registration or by e-mail)
- Arrival and hotel accommodation - **from 22 August 2012**
- Registration of participants at the hotel "Dubna" - **22 August 2012**
- Sessions at LIT JINR: **23 -27 August 2012**
- Departure: **28 August 2012**

Contacts

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Issues related to publication of abstracts and proceedings

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Issues related to transfer of payments on the conference fee, arrival and hotel accommodation

E-mail: mpamcs2012@jinr.ru

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