AANMPDE 2014

The 7th Workshop on
Analysis and
Advanced Numerical Methods
for Partial Differential Equations

St. Petersburg -
St. Petersburg Department of Steklov Institute of Mathematics RAS

Saint Petersburg is a city located on the Neva River at the head of the Gulf of Finland on the Baltic Sea. In 1724 the Academy of Sciences, University and Academic Gymnasium were established in Saint Petersburg by Peter the Great.

The St. Petersburg Department of Steklov Institute of Mathematics of Russian Academy of Sciences is a mathematical research institute in St. Petersburg, part of the Russian Academy of Sciences.

PDMI RAS was established in 1940 after the Institute had moved to Moscow. At present, despite the word "department" in its name kept due to historical traditions, PDMI RAS is an independent institute within the Russian Academy of Sciences. From 1976 till 2000 the Institute was headed by Russian scientist, mathematician and physicist, Academician Ludwig D.Faddeev. He established in St.Petersburg a new institute of Russian Academy of Sciences, Euler International Mathematical Institute (EIMI). Since January 1996 Euler International Mathematical Institute is contained in PDMI as a department. From 2000 till 2006 the Institute was headed by Academician Ildar A. Ibragimov.

Conference Secretariat

AANMPDE 2014
Faculty of Information Technology
P.O.Box 35 (Agora)
FI-40014 University of Jyväskylä
Finland

Svetlana Matculevich, svetlana.v.matculevich@jyu.fi

Web: http://www.mit.jyu.fi/scoma/AANMPDE2014/

Location

Venue for AANMPDE 2014 will be St. Petersburg Department of Steklov Institute of Mathematics RAS, Fontanka 27, 191023, St. Petersburg, Russia.

Aim and Scope

The goal of the workshop is to bring together young researchers and internationally well known scientists working on mathematical and numerical analysis for mathematical models based on partial differential equations within a nice and friendly atmosphere.

Conference Topics

- mathematical analysis of models based on partial differential equations: solution theories, asymptotic analysis, regularity,
- advanced numerical methods for partial differential equations: approximation theory, rate convergence estimates, a priori and a posteriori error analysis, error indicators, adaptivity,
- new mathematical models in applied science and engineering,
- optimization methods for models based on partial differential equations,
- Maxwell's equations.

Keynote speakers

- Professor Stefan Sauter, Institut für Mathematik, Universität Zürich, Zürich, Switzerland,
- Professor Boris N. Khoromskij, Max-Planck-Institute for Mathematics in the Sciences, Leipzig, Germany,
- Professor Ulrich Langer, Johann Radon Institute for Computational and Applied Mathematics (RICAM), Austrian Academy of Sciences, Linz, Austria.

Program Committee

- P. Neittaanmäki, University of Jyväskylä
- S. Repin, V.A. Steklov Institute, St. Petersburg
- U. Langer, Johann Radon Institute for Computational and Applied Mathematics (RICAM)
- D. Pauly, Universität Duisburg-Essen, Campus Essen, Fakultät für Mathematik

Organizing Committee

- O. Mali, University of Jyväskylä
- S. Matculevich, University of Jyväskylä
- P. Neittaanmäki (co-chair), University of Jyväskylä
- S. Repin (co-chair), V.A. Steklov Institute, St. Petersburg
- T. Samrowski, Zurich University of Applied Science
- T. Tuovinen, University of Jyväskylä
- K. Valpe, University of Jyväskylä
- T. Vinogradova, Euler Mathematical Institute
- N. Zalesskaya, Euler Mathematical Institute

Program

The **Scientific program** will be available in June.

The **Social program** will include:

- Welcoming party, August 26, 18.00;
- Excursion, August 28, 16.00;
- Special seminar dedicated to the birthday of Prof. Stefan Sauter, August 29, 12.00;
- Tour to Valaam, August 29 18.00 - August 31 8.00.

Important Dates

Abstract submission	**May 1, 2014**
Confirmation of acceptance	**May 9, 2014**
Arrival day	**August 25, 2014**
Departure day	**August 29(31), 2014**
AANMPDE 2014	**August 25–29, 2014**

Registration

It is planned that the conference fee will be **100 EUR** for foreing participants (the accompanying persons **50 EUR**) and **2000 RUB** for russian researchers.

Visa support

Please be aware that government regulation requires the visa to enter Russia for almost all foreign visitors. The application rules are different for different types of visas and also depend on country of residence of the applicant. Please, also check that you and your accompanying persons' medical insurance is valid in Russia.

Detailed information will be available on the conference website: http://www.mit.jyu.fi/scoma/AANMPED2014.