



TAURIDA V. I. VERNADSKY  
NATIONAL UNIVERSITY



SEVASTOPOL BRANCH  
OF LOMONOSOV STATE  
UNIVERSITY



MARINE HYDROPHYSICAL  
INSTITUTE



FRIEDRICH-SCHILLER-  
UNIVERSITY JENA

seit 1558

## SUMMER SCHOOL (SOPAF-2012)

«SMOOTH AND OSCILLATING PROCESSES IN ANALYSIS AND PHYSICS»  
June, 18 – 24, 2012, Simferopol-Alushta (AR Crimea, Ukraine)

*Taurida V. I. Vernadsky National University (TNU, Simferopol, Ukraine),  
Sevastopol Branch of Lomonosov Moscow State University (MSU Sevastopol, Ukraine),  
Marine Hydrophysical Institute of National Academy of Sciences (MHI, Sevastopol, Ukraine),  
Faculty of Mathematics and Informatics of Friedrich-Schiller-University Jena (FMI FSU, Germany)  
with participation of  
University of Padova (Italy) and Eurasian L. N. Gumilev University (EAU, Astana, Kazakhstan)*

plan to organize the summer school for post-graduates and young scientists from Ukraine, Kazakhstan and Germany devoted to the wide spectra of transdisciplinary problems in approximation theory, theory of function spaces, functional analysis and their applications in modern physics. This school is a direct continuation of SAFS-2010 (Oppurg, October 10-16, 2010, [www.safs2010.uni-jena.de](http://www.safs2010.uni-jena.de)) and the series of thematic international seminars and conferences within 2008-11 in Crimea. The main goals are the introduction of young researchers into some topics of modern analysis and its applications as well as preparation of transdisciplinary international projects.

Supplemented with short talks of participants the school offers the following **lecture series**:

Lector	Position	Topic
<b>V. I. Burenkov</b>	<i>University of Padova &amp; EAU, Dr. Prof.</i>	Morrey spaces and their applications
<b>V. A. Ivanov</b>	<i>Director of MHI &amp; Vice-director of MSU Sevastopol, Acad. of NANU</i>	Mathematical modeling in hydrophysics
<b>N. D. Kopachevski</b>	<i>Head of Chair "Mathematical Analysis", TNU, Dr. Prof.</i>	Functional analysis and problems of hydrodynamics
<b>I. V. Orlov</b>	<i>Head of Chair "Algebra and Func. Analysis", TNU, Dr. Prof.</i>	Analysis in locally convex spaces: compactness and smoothness
<b>K. V. Runovski H.-J. Schmeisser</b>	<i>TNU, Dr., docent Dean of FMI FSU Jena, Dr. Prof.</i>	Methods of trigonometric approximation and smoothness properties of functions
<b>N. Temirgaliev</b>	<i>EAU, Dr. Prof.</i>	Computational aspects of constructive approximation

**Organizing Committee:**

V. F. Shulgin (*pro-rector TNU*), H.-J. Schmeisser (*dean of FMI FSU Jena*), V. A. Ivanov (*director of MHI & vice-director of MSU Sevastopol*)

**Local organizers (TNU):**

I. V. Orlov ([old@tnu.crimea.ua](mailto:old@tnu.crimea.ua)), K. V. Runovski ([k\\_runov@mail.ru](mailto:k_runov@mail.ru)), L. P. Pantina (secretary)

**Registration fee & local costs**

150 € & 95 € per day (accommodation, meal, local travel costs, etc.)

**Languages:**

English, Russian

**Location:**

Taurida V. I. Vernadsky University, Vernadskogo Av., 4 Simferopol 95007 AR Crimea Ukraine, Tel.: +38 (0652) 516498