



International Workshop on Smoothness, Approximation, and Function Spaces



Oppurg/Thür. (Germany), October 10 - 16, 2010

First Announcement

Dear Colleague,

we are organising an

International Workshop on “Smoothness, Approximation, and Function Spaces”,

October 10-16, 2010.

<http://safs2010.uni-jena.de/>

It is our intention to concentrate on various aspects on problems of smoothness, approximation and the theory of function spaces which are relevant in applications to solutions of differential equations and for computational aspects. The topics of interest include, but are not limited to:

- generalised smoothness, function spaces, and approximation
- trigonometric approximation, smoothness quantities
- approximation quantities (s -numbers, widths, entropy numbers)
- processing of smooth and oscillatory data
- computational aspects (sampling, numerical integration, discrepancy, stochastic algorithms)
- approximative solution of differential equations

We are glad that the following speakers accepted our invitation to give plenary lectures:

Stanislav O. Chaichenko	<i>Slavyansk State Pedagogical University / Ukraine</i>
Sergey M. Chuiko	<i>Slavyansk State Pedagogical University / Ukraine</i>
Boris S. Kashin	<i>Steklov Mathematical Institute, Moscow & Lomonosov Moscow State University / Russia</i>
Veniamin G. Krotov	<i>Belorussian State University / Belarus</i>
Hans-Gerd Leopold	<i>Friedrich-Schiller-University Jena / Germany</i>
Erich Novak	<i>Friedrich-Schiller-University Jena / Germany</i>
Igor V. Orlov	<i>Tavrisheski State University Simferopol & Lomonosov Moscow State University, Sevastopol Branch / Ukraine</i>
Konstantin V. Runovski	<i>Slavyansk State Pedagogical University & Marine Hydrophysical Institute Sevastopol & Lomonosov Moscow State University, Sevastopol Branch / Ukraine</i>
Anatoliy S. Samodurov	<i>Marine Hydrophysical Institute Sevastopol / Ukraine</i>
Winfried Sickel	<i>Friedrich-Schiller-University Jena / Germany</i>
Hans Triebel	<i>Friedrich-Schiller-University Jena / Germany</i>

The conference is an essential part of the German-Ukrainian research project “Smoothness from the point of view of theory of function spaces (classes) and approximation”. It is mainly funded by the DFG (436 UKR 113/103/0-1).

1. Lectures

The programme of the conference consists of invited main lectures (speakers as above) and a limited number of short communications given by the participants. There will be no parallel sessions. Please indicate your intention to give a talk and do not forget to send us your abstract. There will be an opportunity for ad hoc-seminars.

2. Venue

The Conference will take place in

CJD Schloss Oppurg, Oppurg / Thüringen

<http://www.cjd-schlossoppurg.de/>

situated in a beautiful countryside about 50 km south of Jena. The small town was founded around 1074 and belonged to several Thuringian principalities in its long history.

Our workshop is arranged in the baroque castle "Schloss Oppurg" built between 1708 and 1714. This palace was preceded by a moated castle from the 11th century. A picturesque remainder from this time – an old tower covered with vine branch – can still be found near the castle.

Originally the building had exactly 365 windows, 52 doors, 12 chimneys and 4 entrances, therefore it was also well-known as "Four Seasons Castle". It is surrounded by a lovely small park designed in English country style. For a long time the castle was used as summer residence and hunting lodge, followed by a frequent change of owners and purposes in the recent past. Now it is run by the CJD ('*Christliches Jugenddorfwerk Deutschlands*' ~ '*Christian Association of Youth Villages*') and used as European Centre of Education, hosting workshops, schools and small conferences all over the year.

Oppurg is connected by local trains to Leipzig (via Gera) and Saalfeld, which have direct fast train connections to Berlin, Frankfurt/Main and Munich. Moreover, the municipality is situated directly on the so-called "Thuringian Street of Porcelain" (B281) (<http://www.thueringerporzellanstrasse.de/>) not far from the highway A9.

3. Costs

The accommodation is arranged at the hotel in single and double rooms with full board (*buffet breakfast, lunch and dinner*). The price is **90 €** per night and person in a single room and **75 €** per night and person in a double room. The conference fee is **90 €**.

4. Registration

If you are interested please contact the organisers (see details below)

before April 30, 2010.

There will be no online registration. Please note that the number of places is limited.

The second announcement with further details will be mailed until the end of May 2010.

We are looking forward to meeting you in Oppurg.

Dorothee D. Haroske
Konstantin V. Runovski
Hans-Jürgen Schmeißer

For further information, please contact us via

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