

Summer School for German students
«Modern Problems of Wavelet Analysis and its Applications»
 Physics & Mathematics Faculty
 and
 International Relations and Scientific Projects Department
 Kursk State University

I. Institution

1. Institution's name	Kursk State University
2. Faculty (department)	Physics & Mathematics Faculty and the International Relations and Scientific Projects Department
3. Postal address	305000, Russia, Radishcheva, 33. Kursk State University
E-mail	kurskgu@kursk-uni.ru
Web – Homepage	www.kursk-uni.ru
4. Contact person/coordinator	Irina L. Zhirnova
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II. Course's profile

5. Course title	Modern Problems of Wavelet Analysis and its Applications
6. Course profile(please give some key words to specify the focus)	Continuous and discrete wavelet transform; Time-frequency localization of wavelet functions, Multiresolution Analysis and variational methods for wavelet constructions; PDE-based methods for the Continuous Wavelet Transform; multiresolution signal processing; wavelets and topology of chaotic phase curves
7. ECTS points available?	Yes
8. Class hours/week	20 per week
9. Integrated Russian language course for beginners	10 per week

10. Language of instruction	English
11. Integrated practical training research program	Seminars, practical computational course
12. Integrated cultural program: excursions etc.	Excursion around the city, one of the oldest Russian towns with a variety of archeological and architecture monuments; bus excursion within Kursk region (Korennaja Pustyn' cloister); lectures on the Russian culture.
13. Number of students (min-max)	7-15
14. Course's duration	2 weeks
15. Course's earliest possible beginning	August, 29 2010
16. Cost of the program and accommodation (incl. tuition fee, accommodation and cultural program)	500 Euro
17. Accommodation conditions	Students stay in a dormitory located within walking distance to the university. Double rooms are provided that are equipped with a bathroom. There is a shared kitchen available. Three meals a day on week-days in the university canteen.
18. Application procedure	The application deadline: June, 15. 2010. Students should send the application containing name, passport data (number, date of issue and expiry) to the coordinator via e-mail. The invitation letter for a free-of-charge visa will be provided.