

St. Petersburg Department of  
Steklov Mathematical Institute  
St. Petersburg State University  
Euler Institute St. Petersburg  
Technische Universität München

# The Sixth Joint Advanced Student School

March 9 - 19, 2008  
in  
**St. Petersburg**

# JASS 2008

Directors:  
Yu. V. Matiyasevich  
E. W. Mayr

## Courses

- Yu. V. Matiyasevich, E. W. Mayr:**  
Trees - The Ubiquitous Structure in Computer Science and Mathematics
- S. Yu. Slavyanov, H.-J. Bungartz:**  
Numerical Simulation - From Models to Software
- V. P. Shkodyrev, O. Stursberg:**  
Advanced Methods for Intelligent Automation and Control
- B. V. Novikov, M. Stutzmann:**  
Frontiers of Semiconductor Nanoscience
- Y. Boldyrev, R. Schilling:**  
Modelling and Simulations in Multidisciplinary Engineering
- L. P. Lavrov, S. Wolfrum:**  
'Europe Quay': Urban Transformation on the Waterfront of the Little Neva / St. Petersburg

### General Organization:

Dr. V. Ganzha, Institut für Informatik, TU München  
Email: ganzha@in.tum.de  
Prof. Dr. S. Yu. Slavyanov, Math. and Comp. Physics,  
St. Petersburg State University  
Email: slav@cph.nw.ru

### Further Information:

WWW: <http://www14.in.tum.de/konferenzen/Jass08/>  
<http://logic.pdmi.ras.ru/jass08/>

### Application:

Application forms can be obtained from the internet under  
<http://www14.in.tum.de/konferenzen/Jass08/>

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The Fifth  
Joint  
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March 25 - April 4, 2007  
in St. Petersburg

# JASS 2007

Directors:  
Yu. V. Matiyasevich  
E. W. Mayr

### Courses

- Yu. V. Matiyasevich, E. W. Mayr:**  
Polynomials, Their Power and How to Use Them
- S. Yu. Slavyanov, H.-J. Bungartz:**  
Numerical Simulation - From Models to Software
- V. P. Shkodyrev, O. Stursberg:**  
Design and Evaluation of Three-Dimensional  
gear Interlocks for Time-Critical Tasks
- A. Kuznetsov, E. Lashin:**  
Multiscale Characterization and  
Modeling of Materials
- E. V. Boldyrev, Y. Boldyrev, H. Schilling:**  
Proboscis: Current Challenges and Future Concepts
- B. V. Novikov, M. Stutzmann:**  
Vehicle Dynamics and Active Chassis Components

Partners of JASS 2007:



Partners of JASS 2008:

