Large-Scale Scientific Computations

June 8-12, 2015, Sozopol, Bulgaria

Organizer:

The 10th International Conference LSSC'15, June is organized by the Institute of Information and Communication Technologies, BAS, in cooperation with SIAM.

Plenary Invited Speakers:

T. Coupez (Central School of Nantes, France), *"Implicit Boundary in Multiphase Flows and Anisotropic Adaptive Meshing"*

D. Keyes (KAUST, Saudi Arabia), *"Algorithmic Adaptations to Extreme Scale"*

J. Kraus (University of Duisburg-Essen, Germany), *"Combined Strategies in Algebraic Multilevel Preconditioning"*

S. Selberherr (TU Vienna, Austria), *"Spin-Based CMOS-Compatible Devices"*

L. Zikatanov (The Pennsylvania State University, USA), *"Subspace Correction Methods: Theory, Practice, and Robustness"*

Chairman: S. Margenov
Conference secretary: S. Grozdanova

Special Sessions:

- A posteriori error control and iterative methods for Maxwell type problems, organized by D. Pauly and J. Kraus
- Multilevel methods on graphs, organized by P. Vassilevski and L. Zikatanov
- Mathematical modeling and analysis of PDEs describing physical problems, organized by O. Iliev
- Numerical methods for multiphysics problems, organized by J. Adler, X. Hu and R. Lazarov
- Control and uncertain systems, organized by M. Krastanov and V. Veliov
- Enabling exascale computation, organized by O. Iliev and D. Keyes
- Efficient algorithms for hybrid HPC systems, organized by A. Karaivanova, E. Atanassov, T. Gurov and M. Mascagni
- Applications of metaheuristic to large-scale problems, organized by S. Fidanova and G. Luque
- Computational microelectronics - from Monte Carlo to deterministic approaches, organized by I. Dimov, M. Nedjalkov and J. Weinbub
- Large-scale models: numerical methods, parallel computations and applications, organized by K. Georgiev and Z. Zlatev

LSSC'15: http://parallel.bas.bg/Conferences/SciCom15/
E-mail: scicom15@parallel.bas.bg