

**Eighth Annual Meeting of the Bulgarian Section of SIAM  
December 18 - 19, 2013, Sofia, Bulgaria  
(BGSIAM'13)**

**Organization and Goals:**

The event is organized by the Bulgarian Section of SIAM (BGSIAM) and will be hosted by the Institute of Mathematics and Informatics, Bulgarian Academy of Science. The financial support of SIAM is highly appreciated and acknowledged. Realizing the importance of interdisciplinary collaboration and the role that applied mathematics plays in advancing science and technology and industry, we solicit the support of SIAM as the major international organization for Industrial and Applied Mathematics in order to promote the application of mathematics to science, engineering and technology in Republic of Bulgaria.

**Scientific Topics:** Following the traditions, the topics of interest include (but are not limited to): industrial mathematics; partial differential equations and applications; numerical analysis and algorithms; scientific computing; financial mathematics; neural networks and applications.

**Invited Plenary Lectures:**

**Prof. Oleg Iliev**, Fraunhofer Institute for Industrial Mathematics, ITWM, Kaiserslautern, Germany, and KAUST, Saudi Arabia

*“Efficient algorithms for simulation of multiscale processes in porous electrodes of Li-ion batteries”*

**Prof. Vladimir Georgiev**, Department of Mathematics, University of Pisa, Italy  
*“Regularity of the solution map for wave equation in bounded domains”*

**Prof. Assen Dontchev**, Mathematical Reviews, American Mathematical Society and Department of Mathematics, University of Michigan, USA  
*“Metric Regularity and Newton's Method”*

**Prof. Petar Popivanov**, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria  
*“Investigation of the interaction of nonlinear waves via first integrals”*

**Conference Program**

**Conference Proceedings:** BGSIAM'13 Proceedings of the presented talks will be published.

**SIAM Sections :** <http://www.siam.org/join/sections/>