

## *Editorial*

### **ALGORITMY 2002 conference**

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## Preface

This and previous issue of *Computing and Visualization in Science* journal contains a selection of plenary and contributed lectures presented at ALGORITMY 2002, Conference on Scientific Computing, held in High Tatra Mountains, Podbanské, Slovakia, in September 8–13, 2002.

ALGORITMY (Algorithms) represents the oldest Central-European series of international meetings devoted to applied mathematics and computational science. It started in the beginning of seventies of the last century in the former Czechoslovakia and it has been held traditionally in High Tatra Mountains in Slovakia. Since the middle of nineties it has become internationally recognized high quality meeting oriented to scientific computing and applications. The 16th ALGORITMY conference was organized by Slovak University of Technology, Bratislava in the cooperation with Comenius University, Bratislava and some other institutions in the Slovak Republic (see the conference web-page: <http://www.math.sk/alg2002>). The scientific programme of the conference was devoted to computational realisations and analysis of algorithms solving real problems from various branches of sciences, technology, medicine, finance and other applications. The main topics included the methods of

- computational fluid dynamics
- nonlinear heat and mass transfer
- modelling of flow in porous media
- simulations of free boundary phenomena
- inverse problems
- computational finance
- data analysis and pattern recognition
- image processing and computer vision
- scientific visualization
- software for scientific computations.

We would like to thank to everyone who contributed to the success of ALGORITMY 2002 conference. First of all to the authors and all other participants for their excellent contributions, the referees for the review work, members of the scientific and organizing committees, management of *Computing and Visualization in Science* journal and to our main sponsors – Všeobecná Úverová Banka and Ministry of Education of the Slovak Republic. Last but not least, we thank to staff in Hotel Permon, Podbanské for creating excellent conditions for the scientific and social programme of the conference.

On this occasion, it is also our pleasure to invite you to the next ALGORITMY conference which will be held in High Tatra Mountains in March 2005.

*Karol Mikula*  
*Bratislava, February 2004*