

## Bulgarian National Section of GAMM (GAMM-BG)

In relation to a request from Bulgarian GAMM members the Board of GAMM, at its annual meeting on February 11, 2001, resolved to approve the foundation of a Bulgarian National Section of GAMM (GAMM-BG), in accordance to the Statutes of GAMM (Item 8 Governing Council, Section 5).

Following the resolution of the Board of GAMM, a meeting of GAMM members, resident in Bulgaria, took place on 14-th of March 2001. The meeting decided for the establishment of a Bulgarian National section of GAMM under the abbreviation GAMM-BG. Via anonymous voting Assoc. Prof. Dr. Svetoslav Markov was elected as President of GAMM-BG. The meeting elected Prof. N. Boncheva as Vice-President and as Secretary Dr. E. Popova.

Various organizational activities have been discussed at the meeting. The meeting decided to support two forthcoming conferences related to the activities of GAMM-BG:

- a) the annual Spring Conference of the Union of Mathematicians in Bulgaria (UMB) by co-organizing an international minisymposium, MMSC'2001, and
- b) the 9-th National Congress on Theoretical and Applied Mechanics, 19-22 September 2001, see <http://www.imbm.bas.bg/imbm/bulmech/default.htm>.

The annual 30-th Spring Conference of UMB took place from the 8-th to 11-th April 2001 in Hotel "Samokov" of Borovets. GAMM-BG was co-organizer of an international minisymposium on Mathematical Modelling and Scientific Computing within the frames of the 30-th UMB Conference. The minisymposium took place on April 10th, 2001 and was attended by 30 participants from seven countries. For more information about the minisymposium see next page.

The official address of GAMM-BG is:

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S. Markov, August 2, 2001

# International Minisymposium on MATHEMATICAL MODELLING AND SCIENTIFIC COMPUTATIONS (MMSC'2001)

within the 30-th Spring Conference of the Union of the Mathematicians in Bulgaria (UMB), April 10, 2001, Borovets (<http://www.math.bas.bg/~bio/mmsc/mm.htm>).

The international Minisymposium on Mathematical Modelling and Scientific Computations was organized and supported by the Bulgarian National Section of the Gesellschaft für Angewandte Mathematik und Mechanik (GAMM-BG), and Section “Biomathematics and Scientific Computations” of UMB.

The Minisymposium took place on the 10th of April 2001. This meeting followed the traditions of the MMSC'93 and the BIOMATH-95 conferences. The aim of the minisymposium was to bring together specialists from diverse areas of mathematics and computer science and specialists in applications in biology and engineering. The presented papers describe new modelling methodologies and feature novel applications.

The minisymposium comprised the following seven presentations [1]:

1. A. Alexandrov: A mathematical model of tubulin pulse generator.
2. C. Christov and N. Papanicolaou: Galerkin spectral methods for higher-order boundary value problems arising in fluid mechanics.
3. F. Jezequel: Numerical accuracy of converging sequences.
4. N. Nedialkov and K. Jackson: Some recent advances in validated methods for IVP's for ODE's.
5. E. Neuwirth: Visualizing recursion and difference equations using spreadsheets.
6. A. Popov: On some imprecise geometrical computations based on morphological techniques.
7. S. Yanchuk and T. Kapitaniak: Modelling chaos-hyperchaos transition in coupled Rössler systems.

The 30-th annual UMB Spring Conference was attended by 550 participants and contributed to strengthening the contacts between secondary school teachers and University professors and specialists. The Proceedings of the Spring Conference [1] appeared (as usually) prior to the meeting and are reviewed by Mathematical Reviews and Zentralblatt für Mathematik.

## References

1. Mathematics and Education in Mathematics, Union of Bulgarian Mathematicians, Proc. 30-th Spring Conference of UMB, Borovets, April 8–11, 2001, 432–467.