



Mathematical Modelling and Scientific Computing (MMSC 2016)

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1 The MMSC 2016 conference

The international conference on Mathematical Modelling and Scientific Computing (MMSC 2016), took place in College Dobrich, 18–24 September 2016. The conference website is:

<http://www.biomath.bg/MMSC2016/index.php>.

The submitted abstracts can be viewed on the website of the online version of journal *Biomath Communications* 3(2), 2016. [1]

College Dobrich is affiliated to Shumen University “Bishop Konstantin Preslavsky” [2] and is situated in Dobrich, Bulgaria.

The meeting follows the traditions of the previous MMSC’15 [3], MMSC’09, MMSC’02, MMSC’01 and MMSC’93 conferences. The aim of the workshop is to bring together scientists from diverse areas of mathematics, and computer science, as well as their application in biology, biotechnology, ecology, medicine, physics, chemistry, engineering,

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social sciences, etc. Among the goals of the workshop is the stimulation of new research cooperations among the participants, which would lead to novel results.



Participants of MMSC 2016



Young scientists awards

2 Program of the conference MMSC 2016

The program of the conference consisted of four 40 min keynote lectures and twenty-five 20 min communications. The keynote lectures are as follows:

- Pavel Dravek, Convergence to travelling waves in the Fisher-Kolmogorov equation with a non-Lipschitzian reaction term
- Vasile Dragan, On the stabilizing solution of the Riccati equation arising in connection with discrete-time stochastic zero sum LQ dynamic games with periodic coefficients
- Claudia Timofte, Homogenized Models for Reaction-Diffusion Processes in Composite Media with Imperfect Interfaces.

The conference included a School for Young Scientists. Five of the best presented communications by the doctoral students were awarded. The social program included a half-day excursion to the old part of the city of Dobrich and a full-day visit to the botanical garden in

the nearby town of Balchik. A special session dedicated to Prof. M. Petkov took place.



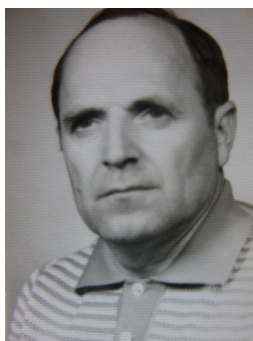
Participants of MMSC 2016 sightseeing Dobrich.



Participants of MMSC 2016 visiting Botanical garden in Balchik

3 Prof. Milko Petkov: in memoriam

At the MMSC 2016 Conference a special session was organized in memoriam to Professor Milko Petkov, a pioneer in numerical linear algebra in Bulgaria. M. Petkov was born in the village of “Slivo Pole”, district of Russe. He obtained his MS in the Department of Mathematics and Informatics at Sofia University “St. Kl. Ohridsky” in 1957. Then he became a high school teacher in Razgrad and Russe.



Milko Petkov
(11.07.1933–5.02.2013)



Prof M. Petkov with colleagues at a conference

In 1963 he specialized in linear algebra numerical methods for one year in Moscow State University. He started working at the Institute of Mathematics and Informatics at the Bulgarian Academy of Sciences in 1964 and defended his PhD doctorate in 1977. M.Petkov became a professor at Shumen University “Bishop K. Preslavsky” in 1993. M. Petkov was an active member of several educational and research units in Bulgaria: the Institute of Mathematics and Informatics at the Bulgarian Academy of Sciences, the Department of Mathematics and Informatics at Sofia University “St. Kl. Ohridsky” and the Department of Mathematics and Informatics at Shumen University “Bishop K. Preslavsky”. He took active part in many projects related to numerical linear algebra. His research activities were focused in different fields of numerical algebra: investigation on methods for solving general and special linear systems; methods for computing the eigenvalues and eigenvectors of symmetric and nonsymmetric matrices; numerical methods for simultaneously computing roots of nonlinear scalar equations; investigation on properties of the positive definite solutions to nonlinear matrix equations and effective methods to compute that solutions. Prof. Petkov authored several books and about 50 research papers in the field of numerical linear algebra.

Five of his students successfully defended their PhD theses. Milko Petkov will be remembered by his colleagues and students as a very modest, loyal, social, responsible and tolerant person.

References

- [1] Biomath Communications 3 (2016)
<http://www.biomathforum.org/biomath/index.php/conference/issue/view/19>
- [2] Shumen University “Bishop Konstantin Preslavsky”
<http://shu-bg.net/?language=en>
- [3] MMSC 2015
<http://www.biomathforum.org/biomath/index.php/conference/article/view/595>