

## MAT-TRIAD 2007 – Three Days Full of Matrices

Report by Katarzyna Filipiak

The second conference in the series, MAT-TRIAD 2007 – three days full of matrices -- was held at the Mathematical Research and Conference Center of the Institute of Mathematics of the Polish Academy of Sciences in Będlewo, Poland, on March 22-24. The conference was organized and supported by the Stefan Banach International Mathematical Center, the Faculty of Mathematics and Computer Science and the Faculty of Geography and Geology of the Adam Mickiewicz University, the Department of Mathematical and Statistical Methods of the Agricultural University of Poznań, and the Polish Mathematical Society. It was sponsored by GlaxoSmithKline Pharmaceuticals.

The International Scientific Committee comprised Ljiljana Cvetković (University of Novi Sad, Serbia), Heike Faßbender (Technical University Braunschweig, Germany), Simo Puntanen (University of Tampere, Finland) and Tomasz Szulc (Adam Mickiewicz University, Poznań, Poland; chair). The Local Organizing Committee was chaired by Augustyn Markiewicz, and included Katarzyna Filipiak, Jan Hauke, Jan Wachowiak and Waldemar Wolyński.

The purpose of this conference was to bring together researchers sharing an interest in a variety of aspects of matrix analysis and its applications and offer them the opportunity

to discuss current developments in these subjects. There were 64 participants from 12 different countries. Twelve invited talks were presented by Rafael Bru, Ludwig Elsner, Daniel A. Griffith, Charles R. Johnson, Thomas Klein, João T. Mexia, Juan M. Peña, Friedrich Pukelsheim, Sigfried Rump, George P.H. Styan, Götz Trenkler and Roman Zmyślony. Moreover, 32 contributed talks and 4 posters were presented. The talks were mainly devoted to matrix analysis, methods of linear algebra, algorithms of numerical linear algebra, matrix games as well as solutions to problems of mathematical statistics with the use of matrix algebra. The talks were extensively discussed in a friendly and stimulating atmosphere.

The International Scientific Committee selected the best talks presented by Ph.D. students and young scientists in the areas of application of the methods of matrix algebra with a special emphasis on statistics. The winners were: 1<sup>st</sup> prize – Vladimir Kostić (Serbia), 2<sup>nd</sup> prize – Miguel Fonseca (Portugal), 3<sup>rd</sup> prize – Dorota Kubalińska (Germany), and 4<sup>th</sup> prize – Iwona Wróbel (Poland).

During the conference there was a special session, Statistics and Linear Algebra in Practice, devoted to applications of statistics in pharmacy and medicine. This session, chaired by Daniel A. Griffith, showed current statistical problems in practice.

The birthdays of George P.H. Styan and Erkki P. Liski, two of the leading figures in statistics, were celebrated at the conference.



The attendees at MAT-TRIAD 2007 shared the common opinion that the conference was extremely fruitful and well organized. They proposed to organize the next meeting in the MAT-TRIAD series in 2009.

The list of participants of MAT-TRIAD 2007, abstracts of talks and posters, and the photo-gallery can be found at <http://www.mtriad07.amu.edu.pl>.

MAT-TRIAD 2007 Conference Photo.