

## Eleventh International Workshop on Matrices and Statistics: Lyngby, Denmark, 29–31 August 2002

### Report by Hans Joachim Werner

The Eleventh International Workshop on Matrices and Statistics (EIWMS-2002), in Celebration of George P. H. Styan's 65th Birthday, was held at the Technical University of Denmark (DTU) in Lyngby, near Copenhagen, on August 29–31, 2002. This Workshop was hosted by the Section of Image Analysis and Computer Graphics in the Department of Informatics and Mathematical Modelling (IMM) at the Technical University of Denmark and was endorsed by the International Linear Algebra Society (ILAS).

The International Organizing Committee (IOC) for this workshop consisted of R. William Farebrother (Victoria University of Manchester, Manchester, England, UK), Simo Puntanen (University of Tampere, Tampere, Finland), and Hans Joachim Werner (University of Bonn, Bonn, Germany; chair). The Local Organizing Committee (LOC) at the Danish Technical University in Lyngby consisted of Knut Conradsen (chair), Bjarne Kjær Ersbøll, Per Christian Hansen, and Allan Aasbjerg Nielsen. The Workshop Secretary was Ms. Helle Welling. The group photograph below is by Simo Puntanen (see also the photograph on page 12).

The purpose of the workshop was to stimulate research and, in an informal setting, to foster the interaction of researchers in the interface between matrix theory and statistics. More than 65 participants from 22 different countries joined this workshop. The Workshop was opened by Dr. Lars Pallesen, Rector of the Technical University of Denmark. This was followed by sessions of invited and contributed papers. The 14 invited speakers were Fikri Akdeniz, Theodore W. Anderson, Jerzy K. Baksalary, Lars Eldén, Bjarne Kjær Ersbøll, Klaus Baggesen Hilger, Agnar Høskuldsson, Bent Jørgensen, Harald Martens, Allan Aasbjerg Nielsen, Hans Bruun Nielsen, Simo Puntanen, George P. H. Styan and Jerzy Waśniewski. Another 32 papers were presented in several contributed paper sessions. It is expected that many of these papers will be published, after refereeing, in a Special Issue on Linear Algebra and Statistics of *Linear Algebra and its Applications* (LAA); the Ninth Special Issue on Linear Algebra and Statistics is vol. 354 (October 2002). The Workshop *Programme with Abstracts* Booklet can still be downloaded from the Workshop Web site: <http://www.imm.dtu.dk/matrix02/>

The social program included a Reception at Lyngby Rådhus (Town Hall), hosted by the Mayor of Lyngby, on Thursday evening, August 29. On Friday, August 30, there was an Afternoon Outing to the Roskilde Fjord which is about 30 km from Copenhagen. In Roskilde—one of Denmark's oldest cities—we visited the 12th century red brick Dome Church (being on UNESCO's World Heritage List) with its many magnificent sarcophaguses. All the past kings and queens of Denmark are buried in this Cathedral—over 1000 years of Danish monarchy. After a coffee break we then had about two hours to imagine life in the times of the Vikings. The *Vikingskibshallen* (The Viking Ship Museum) houses the five original Viking ships excavated in Roskilde Fjord; the ships are exhibited and their story is told with models, posters, and a film in the Exhibition Hall. In the evening of the same day a delicious Workshop Dinner was served at Peter Lieps House, near the University in Lyngby. Without any doubt, this Workshop indeed provided a good atmosphere to stimulate contacts and exchange ideas.

