newly established results on multipower variation and on central limit theory based on Malliavin calculus are essential and were presented at the meeting. Furthermore, applications to turbulence, finance and cell growth were discussed.

About 45 people participated in the workshop which comprised a number of survey talks, given by Ole E. Barndorff-Nielsen (Ambit processes), Mark Podolskij (Multipower variation), José-Manuel Corcuera (Central limit theorems in Malliavin calculus), Jan Rosinski (Infinite divisibility), Albert Shiryaev (On the evolution of the von Mises' notion of randomness), Jürgen Schmiegel (Turbulence) and Fred Espen Benth (Ambit processes in energy markets). Furthermore, there were 17 invited talks and also a number of excellent poster presentations given by the junior workshop participants. These presentations as well as the talks gave rise to lively discussions.

The workshop was organised under the auspices of the Bernoulli Society and has been supported financially by CREATES (Centre for Research in Econometric Analysis of Time Series, funded by the Danish National Research Foundation), by the Thiele Centre for Applied Mathematics in Natural Science (both at Aarhus University) and by the Danish Council for Independent Research in the Social Sciences (FSE).

Detailed information is available at

http://www.ambitprocesses.au.dk/

Ole E. Barndorff-Nielsen, Aarhus
José-Manuel Corcuera, Barcelona
Jürgen Schmiegel, Aarhus
Almut Veraart, Aarhus

Summer Academy Stochastic Geometry, Spatial Statistics and Random Fields

On 12 – 6.09.2009, a summer academy on stochastic geometry, spatial statistics and random fields (www.uni-ulm.de/summeracademy09) took place at Söllerhaus, an Alpine conference center of the University of Stuttgart and RWTH Aachen in the picturesque village Hirschegg (Austria) near the German border. It was organized by the Institute of Stochastics of Ulm University in cooperation with the Chair of Probability Theory of Lomonossov Moscow State University.

In contrast to previous schools on this subject (Sandbjerg 2000, Martina Franca 2004, Sandbjerg 2007), this summer academy concentrated on topics such as the asymptotic theory of random sets, fields and geometric graphs that had not been touched upon before. At the same time, it provided an introduction into more classical subjects of stochastic geometry and spatial statistics, giving (post)graduate students an opportunity to start their own research within a couple of weeks.

The summer academy hosted 38 young participants from 13 countries (Australia, Austria, Denmark, Germany, France, Mongolia, Russia, Romania, Sweden, Switzerland, UK and USA). The generous financial support provided by the International Office of the German Academic Exchange Service (DAAD) and Ulm University allowed to cover the local and travel expenses of the majority of students. Twelve international leading scientists gave lectures on various fields of geometry, probability theory and mathematical statistics. Moreover, students and young researchers had the possibility to give their own short talks. Coffee breaks and evening discussions provided an inspiring framework for an intensive exchange of ideas, new contacts and possible joint research projects. Additionally, mountain hiking and visits to neighbouring German cities (Bavarian royal castle Neuschwanstein and Lindau) rounded the intense scientific program.

The special lecture volume of this summer academy is planned to be published in the ''Lecture Notes in Mathematics'' series of Springer Verlag.

E. Spodarev, organizer (Ulm University)