Fees

Company submitting a problem	DKK 15 000
Academic participants	Free

Breakfast can be bought on campus for approx. DKK 30.

Lunch can be bought on campus for approx. DKK 40.

Daily dinner is included in the fees.

Deadline for submission of registration form is 2 August 2004.

The meeting starts Monday 16 August 10^{00} and ends Friday 20 August 13^{00}.

Check-in Sunday afternoon and Monday morning 9^{00}–10^{00}.

The industrial problems will be advertised 2 August 2004, on the web-address "http://www.mat.dtu.dk/ESGI/51".

For further information contact:
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51st EUROPEAN STUDY GROUP with INDUSTRY

Technical University of Denmark
16 – 20 August 2004

What is a European Study Group with Industry?

A Study Group is a forum where academic mathematicians work on problems directly related to industry. Workshops of this nature have taken place in Great Britain for a number of years, going back to 1968 when Prof. Alan Tayler started the *Oxford Study Group with Industry*. The coordination of Study Groups is now in the hands of *European Consortium for Mathematics in Industry* (ECMI), and the name is currently *European Study Group with Industry* (ESGI).

The format of a Study Group is a week long meeting (Monday - Friday) where a number of companies on the first day of the meeting each present a research problem they believe to be of a mathematical nature. Each such problem is taken up by a group of mathematicians who, together with the company representative, work towards the solution of the problem, through Thursday afternoon. Friday is used to present in a plenary session the results from each of the problem groups.

At the latest two months after the meeting, a final report on the results of all the groups is sent out to all participants.

The reasons for the continuing success of the Study Groups are simple: The industrial participants get, for a very modest sum, a highly qualified 'think tank' of mathematicians to focus on their particular research problem. Besides a full or partial resolution of the problem, the companies establish useful contacts with international researchers. The academics benefit from new ideas and challenges from the real world, providing inspiration for both education and their own research.

The success criterion for a Study Group is that participating companies experience the meeting as useful and that it brings them a significant step closer to the resolution of their problem. For the upcoming meeting we also have the goal that it will establish closer ties between Danish Industry and Danish mathematicians.

Venue

ESGI 51 takes place at the Technical University of Denmark (DTU) in the week 16 to 20 August, hosted by the Department of Mathematics. The organizers are

- Professor Poul Hjorth, phone: (+45) 4525 3061.
- Professor Jens Gravesen, phone: (+45) 6550 1681.
- Professor Henrik G. Petersen, phone (+45) 6550 2324.
- Professor Morten Willatzen, phone (+45) 6550 1682.

The facilities available to the participants in the Study Group includes DTV (Technical Knowledge Center & Library of Denmark), access to powerful computers, advanced programs, and high speed access to the internet.