Fees

Company submitting a problem	DKK 15 000
Academic participants	Free

Breakfast can be bought on campus for approx. DKK 25.

Lunch can be bought on campus for approx. DKK 35.

Daily dinner is included in the fees.

Deadline for submission of registration form is 1 August 2002.

The meeting starts Monday 19 August 10^{00} and ends Friday 23 August 13^{00}.

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

The industrial problems will be advertised 5 August 2002, on the web-address "http://www.mat.dtu.dk/ESGI/44".

For further information contact:
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Matematiktorvet, Bygning 303
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44th EUROPEAN STUDY GROUP with INDUSTRY

Technical University of Denmark
19 – 23 August 2002

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). At a recent meeting of the ECMI Council it was decided that Study Groups should also be held outside Great Britain, and the first one in Scandinavia is to be held in Denmark.

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 44 takes place at the Technical University of Denmark (DTU) in the week 19 to 23 August, hosted by the Department of Mathematics and the Department of Mathematical Modelling. The organizers are

- Associate Professor Jens Gravesen, phone: (+45) 4525 3064.
- Associate Professor Poul Hjorth, phone: (+45) 4525 3061.
- Associate Professor Henrik G. Petersen, phone (+45) 6550 2324.
- Director Frands Voss, phone (+45) 6550 1190.

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.

ECMI The European Consortium for Mathematics in Industry

MACSI-net
MAthematics, Computing and Simulation for Industry