



eVITA

Winter School 2009

Optimization

INVITATION

We would like to invite you to the Third eVITA Winter School on eScience that takes place January 11-16, 2009 at Dr. Holms Hotel, Geilo, Norway. This year's topic is optimization.

Optimization

Probably all of us, in private and work situations, try to find the best possible solution to problems. I could for example be searching for the best wines for a gourmet dinner, looking for the quickest way home, finding the least costly stock investment, or even trying to find the best design for an airplane wing. In Latin, *optimum* is a conjugation of *optimus*, which in turn is the superlative of *bonus*, which means good. Optimization is about finding the best solution, given certain prerequisites or constraints.

Through excellent lecturers we will provide an introduction to a variety of subfields of optimization. We focus on the computational aspects and also discuss examples of applications taken from the eVITA target areas. The goal is to provide the participants with basic knowledge of optimization and a familiarity with problem classes and solution methods.

The lectures cover:

- Introduction to optimization
- Non-linear optimization
- Convex optimization
- Global optimization
- Discrete optimization
- Handling uncertainty




Dr. Holms Hotel

For more information, see: <http://www.sintef.no/Projectweb/eVITA/>

Registration deadline: December 7, 2008.

You may register online. The participants are expected to stay at Dr. Holms Hotel, where we have reserved a limited number of rooms. Please register early. The registration is binding after the deadline.



The organizing committee consists of
Truls Flatberg, Geir Hasle, Knut-Andreas Lie, and Tomas Eric Nordlander,
all affiliated with the Department of Applied Mathematics at SINTEF ICT.