



UTMIS is a non-profit-making network of companies, research institutes and university departments working in the field of fatigue of materials, which aims to support their work by:

- providing and publishing information, and spreading awareness of fatigue effects
- closer cooperation between parties
- improving levels of knowledge
- performing projects to support work in the field
- raising the profile of the area with research funding organisations.

UTMIS was established 2000 and is operated as a non-profit-making association, financed by its members fees. Currently we are about thirty members among companies, research institutes and university departments. (For membership, see below.)

## ACTIVITIES

**Network Meetings** are organized three times a year where participants are given the opportunity to

- listen to technical presentations from both the fatigue colleagues within the association as from invited speakers,
- meet to exchange information during informal forms.

At the first meeting in January-February an annual meeting of negotiations are conducted and at a connecting seminar given primarily graduate students in our universities the opportunity to talk about their jobs.

The spring meeting in May-June is more focused on issues that are confronted with in industrial practice such as the use of software for fatigue design, use of manuals and materials databases. At the spring meeting the winner in the graduates working contest gives the opportunity to present their work.

The autumn network meeting takes the form of a higher course of two to three days to an internationally recognized fatigue expert speaker. The last eight years we have committed Keith Miller, England, Reinhard Pippan, Austria, Georges Cailletaud, France, Yukitaka Murakami, Japan, Mike Brown, England, Tim Davis, England, Bo Bergman, Sweden, Darrell Social, USA, Grzegorz Glinka, Canada and Michael Vormwald, Germany.

Autumn 2010 Prof Dr Cetin Morris Sonsino *Fraunhofer Institute for Structural Durability and System Reliability, LBF, Darmstadt/Germany*, was given a course on the theme "New Local concepts for the Design of Welded Joints – Industrial Applications".

UTMIS disseminates information via e-mail newsletters. This provides a means for members to publicise courses, seminars, projects etc. that they are planning, and also to be notified of others' conferences, seminars and courses, both national and international. In addition to up-to-date news, the organisation's web site carries general information on its members, links to relevant literature, and details of courses, conferences and current projects.

**Projects** and interest groups formed when necessary of focused work in any area with participants who have common or similar problems.

- For example, a project in rubber fatigue was carried out during the years 2006-2008, which included both methods of calculation and testing of base component.
- In 2008 was conducted "Project Robin" for calculating the correlation of the fatigue strength of a single component of the castings.

**UTMIS** provides a contact point for research councils and funding organisations. One objective of this is that, by presenting information on its members' jointly formulated requirements, the result should be greater investment in fatigue-related working areas, primarily on the national level.

**UTMIS** also works to encourage greater international cooperation in the field of materials fatigue. In this, it is assisted by the fact that its Board is Sweden's national member of ESIS (European Structural Integrity Society).

## **HOW TO BECOME A MEMBER?**

The membership is:

4 000 SEK/year for university departments and companies with less than ten employees  
12 000 SEK/year for companies with between 10 and 250 employees  
20 000 SEK/year for companies with more than 250 employees  
80 000 SEK/year for corporate groups.

Membership of an organization eligible for free participation in all events for any number of participants and access to all information on the website.

For further information, please contact Thomas Svensson (chairman) ([Thomas.Svensson@sp.se](mailto:Thomas.Svensson@sp.se)) or at the address or phone below. When applying for membership, please give the name and size of your company, contact by e-mail, phone number and full address, and an address list for those within the company who want to receive our mailings.