

CZECH SOCIETY FOR MECHANICS
IN COOPERATION WITH

CTU IN PRAGUE
AND EVEKTOR SPOL. S.R.O.

CORDIALLY INVITE YOU TO

WORKSHOP ON COMPUTATIONAL FATIGUE ANALYSIS 2008 & THE 2ND PRAGTIC USERS' MEETING



KAMENICE NAD LIPOU, HOTEL U LIPY
CZECH REPUBLIC

OCTOBER 29-31, 2008

PragTic: The freeware tool focused on a fatigue analysis based on FEM-data. You can find more details concerning this project on <http://www.pragtic.com>, where the program can be downloaded.

Goals:

- Providing basic know-how on fatigue damage evaluation on mechanical parts to designers and computational analysts.
- Description of methods used for assessing the cyclic service loading under simple and complex loading.
- Introducing PragTic and presenting his ability to serve as a post-processor of a FEA including shows of solved examples in order to find new persons and companies interested in its use and further development.

Realization:

Day 1 – Courses related to basics of fatigue phenomenon, to analysis of input parameters and their effect on fatigue life; review of available commercial tools (lecturers: Prof. Milan Růžička, CSc., Ing. Jan Papuga, Ph.D. - CTU in Prague and others);

Day 2 - A series of courses related to methods of mechanical parts design as regards their endurance to fatigue damaging; survey of uniaxial and multiaxial solutions implemented in commercial tools and PragTic (lecturers: Prof. Milan Růžička, CSc., Ing. Jan Papuga, Ph.D. - CTU in Prague and others);

Day 3 - PragTic, its inputs and outputs, user environment, limits, presentation of cases of a typical use (lecturer: Ing. Jan Papuga, Ph.D.)

Language: The English language is the official language of lectures. The most important parts of the lectures will be repeated in the Czech language as well.

Application: Those interested can register on the webpage <http://www.pragtic.com/UMapp.php>.

Attendance fee: Details concerning the payment of the attendance fee are presented in the section Payment (<http://www.pragtic.com/UMpay.php>). The fee includes accommodation, full board, CD with presentations and the attendance itself:

The fee is set in two versions:

- Days 1-3: 100 Euro (paid before Sep 10, 2008) or 125 Euro (paid after this term)
- Days 2-3: 75 Euro (paid before Sep 10, 2008) or 100 Euro (paid after this term)

Further details:

- Conference web-page: <http://www.pragtic.com/UM.php>
- Contact: Ing. Jan Papuga, Ph.D.: tel. +420 737 977 741, e-mail: papuga@pragtic.com, skype: pragtic
- The up-to-date information concerning e.g. the time schedule or transport to the location will be subsequently published in new sections created in the right bottom space of the conference web-page.
- In comparison to the previous meeting, more emphasis will be placed on the summary of basic facts on fatigue analysis of cyclic loading (Day1), on methods used for uniaxial and multiaxial analyses in commercial tools (Day 2) and on the presentation of PragTic features (Day 3).
- The PragTic sessions will be organized as a show with exemplary problems, explanation of PragTic functionality and available computational schemes. The scope of the lectures does not allow individual focused training in the use of PragTic.
- The training lessons for the real use of PragTic will be organized after the 2nd PragTic Users' Meeting according to the actual demand. The first term available will be immediately after the conference – Oct 31, afternoon. The number of course attendants is limited to 8 persons, thus contact us on papuga@pragtic.com as soon as possible if you are interested in it.