

## CONFERENCE FRACTOGRAPHY 2006

The conference with international participation „Fractography 2006“ was held in the SAS Congress Centre Academia in Stará Lesná on October 15-18, 2006. This 16<sup>th</sup> conference was organized by the Institute of Materials Research of the Slovak Academy of Sciences, Košice traditionally in cooperation with the Faculty of Metallurgy, Technical University of Košice and U. S. Steel Košice s.r.o. Firstly, one of the organizers was Faculty of Nuclear Science and Physical Engineering, Czech Technical University in Prague. The conference was opened by Dr. Igor Túnyi, a member of the SAS Presidium.

The scientific programme was divided into 6 sessions dealing with failure of a wide spectrum of materials, mainly steels, different alloys of non-ferrous metals, sintered materials, structural ceramic materials and composites. Contributions were oriented toward the mathematical modelling, statistic processing of fracture micromorphology and failure simulation. Great space was dedicated to fatigue failure and the microstructure influence upon the failure micromorphology of materials. Contributions from engineering praxis presented the unchangeable role of fractography at clarification of materials failure, and mainly failure prevention in real industrial conditions of extremely loaded systems, such as atomic power engineering, gas-engines, and the aircraft industry. The conference had a traditionally friendly and working atmosphere with fruitful discussion. It brought to light much authentic theoretical and experimental knowledge.

At the conference there participated 119 experts (including accompanying persons and members of the organizing committee) from universities, research institutes and industrial companies, mainly from the Czech Republic and Slovak Republic; there were experts also from Austria, Bulgaria, Great Britain, Italy, Serbia and Spain. Co-authors of contributions were also from France, Ukraine, Russia, China, Japan and the USA.

Slovak, Czech and English were the conference languages. The contributions were prepared in Slovak, Czech with extended abstracts in English, or in English, and they are published in the conference proceedings.

The conference proceedings *Fractography 2006* as a book (edited by Ľ. Parilák, totally 535 pages, ISBN 80-968543-5-6) involves 49 lectures and 25 posters. The proceedings were prepared as a CD-ROM as well. It is possible to make an order of the proceedings to the address: IMR SAS, Watsonova 47, 043 53 Košice.

Eudovít Parilák  
conference chairman