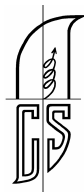


Proceedings of the
13th Czech and Slovak Conference on Magnetism
Košice, July 9–12, 2007



Editors of the Proceedings

Mária Zentková and Marián Mihalik

Organized by

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Preface

The 13th Czech and Slovak Conference on Magnetism (CSMAG'07) took place in Košice, Slovakia, between July 9th and 12th 2007. The conference was organized jointly by the P.J. Šafárik University in Košice, Faculty of Sciences, and the Institute of Physics Slovak Academy of Sciences, Košice in cooperation with Slovak Physical Society. CSMAG'07 has continued in the tradition of conferences on magnetism, which have been successfully held in Košice since 1963. The topics treated by CSMAG'07 comprised Spin dynamics and magnetization processes; Amorphous, nanocrystalline and other soft magnetic materials; Thin film, multilayers and surfaces; Rare-earth and $5f$ -systems, critical phenomena and superconductivity; Emergent behavior of correlated electron matter (COST meeting ACTION P16 organized by Marián Reiffers); Low dimensional magnetic materials and molecular magnets; Magnetic nanostructures, nanoparticles and ferrofluids; Technical applications.

We would like to thank the members of the International Advisory Committee for interesting and fruitful scientific advice and proposing invited speakers at the earlier stages of the organization of the conference and later for help with looking for referees. The conference was attended by 234 scientists from 20 countries. In addition to researchers from the Slovak Republic and Czech Republic, nearly 50% of participants came to Košice from the Europe, USA and Japan. The majority of foreign participants came from Poland. The number of participants increased with respect to previous conferences. There were 17 oral sessions, yielding to 14 invited and 40 contributed talks and 2 poster sessions with 158 poster presentations. Not all of the submissions are finally included in the Proceedings. Altogether 154 papers are published. The organizers are most grateful to the referees for having reacted speedily in this enormous task. Many thanks are also due to the authors for preparing and correcting manuscripts so that the most of manuscripts were in acceptable form one month after the conference.

The CSMAG'07 conference showed that the magnetism is rapidly developing topic. Finally, we hope that the participants had enough space for fruitful scientific discussion at the conference and that they enjoyed social program including welcome party, piano concert and barbecue party. Some participants and accompanying persons also enjoyed tours to the different local places of interest.

Marián Mihalik
Pavol Sovák
(*conference chairmen*)