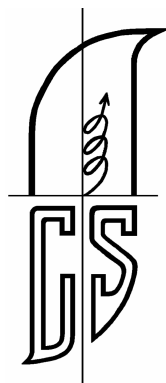


Proceedings of the
14th Czech and Slovak Conference on Magnetism

Košice, Slovakia, July 6–9, 2010



Editors of the Proceedings:
Jozef Kováč and Rastislav Varga

WARSAW

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Institute of Experimental Physics, Slovak Academy of Sciences (IEP SAS), Košice
in cooperation with
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Preface

The 14th Czech and Slovak Conference on Magnetism (CSMAG'10) took place in Košice, Slovakia, during the period of days July 6–9, 2010. The conference was organized jointly by the Faculty of Sciences of the P.J. Šafárik University in Košice and the Institute of Physics, Slovak Academy of Sciences in Košice in cooperation with Slovak Physical Society and Union of Czech Mathematicians and Physicists. This event continued in the tradition of conferences on magnetism, which were successfully held in Košice since 1963. It has been our pleasure to see its continuous growth from a relatively small size to the present robust proportions. The 14th Czech and Slovak Conference on Magnetism with 235 participants from 19 countries was the largest in this series of conferences. Apart from the Slovak researchers, approximately 20% of participants were from Czech Republic and additional 40% of participants came to Košice from other countries.

The program of the conference covered different areas of basic and applied magnetism such as theoretical problems of magnetically ordered materials, magnetization processes, amorphous and nanocrystalline soft magnetic materials, thin films, multilayers and surfaces, rare-earth and $5f$ magnetic systems, strongly correlated electron systems, molecular and low dimensional magnetism, ferrofluids, magnetic properties of superconducting materials and applications of magnetic materials. The technical sessions comprised 11 invited and 35 contributed talks as well as 180 poster presentations. We would like to express our gratitude to the invited speakers for delivery of high level talks that covered most recent developments in the area of their scientific expertise. There is no doubt that all subjects treated in these invited lectures and also in the contributed talks were of great interest for audience. The two poster sessions presenting a number of the original scientific results were also well attended. After a rigorous review process 148 papers have been finally accepted to be included in these Proceedings.

A social and accompanying persons program included activities such as welcome party, concert of the classical music and barbecue party. Some participants and accompanying persons also enjoyed tours to different local places of interest.

On the behalf of the organizers of the 14th Czech and Slovak Conference on Magnetism we would like to thank the members of International Advisory Committee for their valuable help in establishing the scientific program and all participants for their contribution to the success of the conference. The important support for this conference was provided by principal sponsor USS Steel Košice. Other sponsors were CRYOGENIC Limited, Quantum Design LOT-Oriel Group Europe, ChromSpec Slovakia s.r.o. and Mineralne Vody a.s. We wish to express our gratitude also to the editors for their effort to prepare these Proceedings. We look forward to organize next CSMAG conference in July 2013.

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