

Proceedings of the European Conference
PHYSICS OF MAGNETISM 93
STRONGLY CORRELATED ELECTRON SYSTEMS
Poznań, Poland, June 21–24, 1993

Part I

Editors of the Proceedings

R. Micnas
S. Krompiewski
B. Fechner
J. Morkowski

WARSAW

POLISH ACADEMY OF SCIENCES
INSTITUTE OF PHYSICS

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PREFACE

The European Conference "Physics of Magnetism 93: Strongly Correlated Electron Systems", was held on June 21–24, 1993 at the Science Center of the Polish Academy of Sciences in Poznań. The Conference was organized jointly by the Institute of Physics of the A. Mickiewicz University in Poznań and the Institute of Molecular Physics of the Polish Academy of Sciences in Poznań. It was a continuation of the previous conferences which were held every 3 years in Poznań since 1975, and which have gained more and more an international character over the past few years.

Conference was meant to be an international forum for presentation and discussion of novel scientific ideas, experimental results and new magnetic materials, with special emphasis on the physics of strongly correlated electron systems. The objective of the Conference was to bring together scientists and technologists from the Western, Central and Eastern European countries, involved in research and application of magnetic materials and high temperature superconductors.

The program of the Conference consisted of 17 invited talks, presented by distinguished physicists from Europe and USA. There were 180 participants from Poland and 40 from other ten European countries and USA. More than 180 contributions were presented in a poster or oral form.

All the invited talks, provided by the Authors, and selected contributed papers (after being refereed) are published in this special issue of *Acta Physica Polonica A*.

The major sponsors of the Conference, i.e. the Committee for Scientific Research, the Ministry of National Education and the Committee of Physics of the Polish Academy of Sciences, are kindly acknowledged.

We are grateful to the Editors of *Acta Physica Polonica A* for their kind agreement to publish the present volumes.

R. Micnas
S. Krompiewski
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J. Morkowski
Editors of the Proceedings

Jean Rossat-Mignod (1944–1993)

The participants of the National Conference on Strongly Correlated Electron Systems in Poznań, June 21–25, 1993 listening to the talk of Jean Rossat-Mignod did not suspect that it was his last lecture in Poland.

Unexpectedly, he died of heart attack in La Jolla while attending the International Conference on Strongly Correlated Electron Systems on August 19, 1993.

He was born on October 17, 1944 in Albertville (France). He was graduated from the Institut Polytechnique of Grenoble in 1967 and in 1972 he got his Ph.D. Degree from the University of Grenoble. In October 1972 Jean got his permanent position at the Commissariat à l'Énergie Atomique (CEA) climbing all steps of scientific and administrative career being finally in 1991 appointed Director of joint CEA-CNRS Leon Brillouin Laboratory in Saclay. But his development was closely and predominantly connected with Centre d'Études Nucléaires in Grenoble in which, since January 1985 he was a head of the Group "Magnétisme et diffraction neutronique".

His scientific interest concerned neutron examination of the following groups of materials:

- anomalous rare earth and actinide compounds (heavy fermions, mixed valence etc.),
- new high T_c superconductors,
- low dimensional magnetic systems,
- materials in which superconductivity and magnetism coexist.

Jean was particularly strongly involved in the first two topics.

The results of his research have been presented in more than 200 scientific papers and numerous lectures. For his activities he was recipient of many awards and among others:

- Award of French Academy of Sciences,
- Award of the French Physical Society,
- very prestigious Award Genthner–Kastler of the Physical Societies of France and Germany.

His activity was not limited merely to the research but he also supervised 17 Ph.D. Theses.

Finally, we have to stress his involvement in creation of strong and effective scientific cooperation between France and Poland in various forms, recently in the frame of the European Communities Cooperation on the basis of the project "Large scale facilities". He visited Poland many times, always showing interest in works of Polish scientists and delivering numerous lectures at schools and conferences organized in our country.

He was personal friend of many of us, particularly in Wrocław and Cracow. His strong personality did not prevent him from keeping warm and cordial relations with his Polish friends.

We miss you Jean, and your contribution to our works will not be forgotten.

Wojciech Suski and Robert Troć