

EUROPEAN MEETING
ON FERROELECTRICITY

ORGANIZED BY THE
UNIVERSITÄT DES SAARLANDES
INSTITUT FÜR EXPERIMENTALPHYSIK //

SAARBRÜCKEN
MARCH 27 TH-29 TH 1969

Dear Participant of the European Meeting on Ferroelectricity,

the organizing committee feels greatly honoured by the large interest shown by European physicists for the Saarbrücken meeting. The present booklet contains the program of the meeting. The large number of announced papers has forced us to divide the conference partly into parallel sessions and a general discussion of the presented papers can take place only within the time limit given in the program. No official visit of institutes is planned, but we shall gladly give all necessary help to those who would be willing to make personal contacts with research workers and laboratories here.

The proceedings of the conference will be published as soon as possible and will be forwarded to all participants of the meeting. The authors are requested to submit their papers during the conference in typed form not exceeding 4 pages (figures included) to Dr. Petersson from the organizing committee. Review papers should not exceed 8 pages, the length of invited papers is not limited. Because of the printing technique used no photographic reproductions can be handled.

We hope very much that the conference will contribute to a broader collaboration and better personal relations between scientists working on ferroelectrical problems in Europe and will also help to new contacts between people from this unhappily overdivided continent.

For the Organizing Committee
H. E. Muser

PREFACE

The meeting was organized by the Institut für Experimentalphysik II of the University of the Saarland, Saarbrücken, and sponsored by the Minister für Kultus, Unterricht und Volksbildung des Saarlandes, and the Saarländische Wirtschaftsver-einigung Eisen und Stahl.

Organizing committee:

H. E. Mäser (chairman)
J. Petersson, K. H. Ehses, D. Müller, G. Brosowski, E. Cavellias
(proceedings)
J. Albers (funds)
J. Pottharst, P. Gregorius, V. Ziebert, A. Klöpperpieper
(general matters)

PREFACE

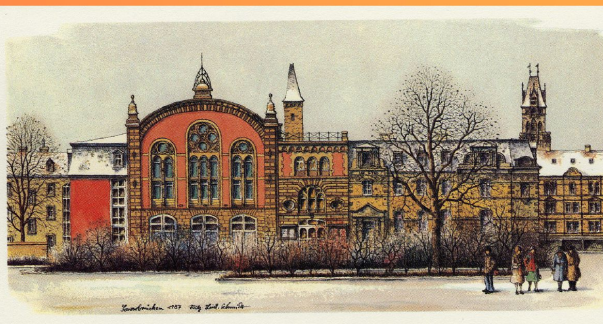
Ferrocatalysis is a rapidly growing field of solid state physics. National meetings on ferrocatalytic problems were held successfully in 1978 in the USA, the USSR, and Japan, but no European country has yet held such a meeting. Russia has a number of groups working in this field. On the other hand, integrating the work of all groups in these countries is a difficult task. The International Union of Pure and Applied Chemistry has an official organization of physicists, engineers, or crystallographers, but is not interested in ferrocatalytic problems. So, from several groups in the USSR, the USSR Academy of Sciences, and the USSR Ministry of Higher Education, we organized a meeting for all those who have no opportunity to participate in the international conferences. The meeting was held in the USSR and was attended by 100 people from European countries. We called the conference a "European Symposium on Ferrocatalysis" and it was held in the USSR. We announced publicly. We invited the USSR to provide a meeting and several countries agreed to participate. The USSR Academy of Sciences was very active in the field of ferrocatalysis, and we wish to apologize for not having held a meeting in the USSR. We are very sorry that, as it is now, that the intensity of the discussions would have been much higher. We had a limitation on the number of participants. We had 100 people, but we had a limitation on the number of workers in the field. About 130 people would have been able to attend.

Besides the usual "invited" and "contributed" papers there was a third category of so-called "review" papers. They were meant to be more general reports on the type and scope of previous work treated in the different groups, and to offer an opportunity to repeat results published already but necessary to understand the related new results. The idea was that a single review paper can give more homogeneous information on the work of a group than the short papers by different authors referring to results published elsewhere.

Originally, these proceedings were meant only for the participants as records of the results presented at the meeting. All papers submitted were accepted in their original form; in particular the editors refrained from making revisions as far as English grammar and style were concerned. Because of the interest shown by many non-participants the proceedings are now published as a book. We wish to thank the Wissenschaftliche Verlagsgesellschaft for making this possible, as well as the Kultusministerium des Saarlandes and the Verband der Eisen- und Stahlindustrie des Saarlandes for having granted us the financial support necessary to organize the meeting.

The editors find it encouraging that their work associated with the organization of the meeting will be continued, again on a private initiative, by a second meeting of this kind. Since the Third International Meeting on Ferroelectricity will be held in August 1973 at Edinburgh, the appropriate time for the second European Meeting was thought to be in the middle between the Kyoto and the Edinburgh International Meeting. So, with best wishes to Professor Godefroy and his organizing staff, we hope to see the participants again at Dijon in September 1971.

Saarbrücken, January 1970

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