

Preface

This book collects the contributions of the sixth issue of the conference series on polycrystalline semiconductors (POLYSE). This new edition of conference, POLYSE 2000, took place between 3 and 7 September 2000 in Saint-Malo, the pirates' city on the channel seaside in the North of Britanny, France. About 100 participants from 22 different countries met at the Palais du Grand Large conference center, which offered always the very nice view on the channel sea and on the ramparts of Saint-Malo, especially at the evening when the lively discussions continued during a drink.

Similarly to the previous conferences of the series, POLYSE 2000 covered many aspects of polycrystalline semiconductors but was more oriented on applications than the previous editions, thereby reflecting the evolution of the technologies. POLYSE 2000 brought together research specialists from basic research as well as those from research & development engineering, working on devices such as thin film transistors, micro-electro-mechanical systems, or sensors and actuators.

Ten internationally recognized scientists were invited to review their works on several interesting and promising aspects such as micro-systems, solar cells, thin film transistors, organic polycrystalline devices and polycrystalline ceramics. These speakers were:

J. Morante
S. Périchon
M. Konagai
S. Wagner
R. Hagenbeck

D.A. Bonnell
G. Horowitz
T. Fuyuki
J. Kocka
V. Chu

We are grateful for their excellent and attractive presentations. In addition to these invited talks, we selected 29 oral contributions and 43 posters. Similarly to the previous editions of the POLYSE series, each poster was introduced by an oral presentation of three minutes' length in order to highlight the most important aspects of the research. These short oral presentations lead to very efficient poster sessions often accompanied by a glass of wine or (in some rare cases) of fruit juice. We thank all authors for their contributions and for their manuscripts, which constitute the matter of this book.

Conferences such as POLYSE live from the contributions of many people. It is a pleasure for us to thank the members of the advisory committee for their important input into the conference, especially for their suggestions regarding the invited speakers and their topics.

We also want to gratefully acknowledge the financial support of our sponsors listed below who made the conference possible again in France. Finally, we express our sincere thanks to our staff members who worked hard before, during and even after the conference.

Rennes, Stuttgart and Erlangen, March 2001

Olivier Bonnaud, Tayeb Mohammed-Brahim, Horst P. Strunk, Jürgen H. Werner

