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Foreword

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FOREWORD

This is the Proceedings of the 5th International Symposium on Unconventional Photoactive Solids, held from October 13th to 17th, 1991, at Okazaki, Japan. The contents of the scientific program are embodied in the subtitle "Molecular Systems."

Systematization of molecules through proper assembling, alignment or by making composite systems can realize new characters which cannot be imagined from those of individual molecules and can lead to intelligent behavior such as rolled functionality of novel molecular materials. In order to organize a Conference which focuses on these aspects we have called for papers in the following fields:

1. Optical Nonlinearity
2. Optical Memory
3. Photoconductivity and Electroluminescence
4. Solid State Photochemistry
5. Mesoscopic Systems
6. Functional Polymeric Systems
7. Molecular Thin Films
8. Organic Ferromagnets
9. Hydrogen-Electron Cooperating Systems and
10. Development of New Optical Techniques.

Since organic superconductors and conductive polymers constitute already large fields in their own right and are the subjects of many international meetings, we did not arrange a separate heading for these fields.

Efforts have been made to strengthen the future of the study of Molecular Systems. In particular, we made an effort to have participants from every part of the world and, as a result, more than 200 people from 18 countries have attended the meeting. Special financial support was provided to encourage the participation of young scientists who will be the main actors of the next generation.

We hope that this Proceedings contains some seeds for the novel materials search for the next generation of researchers.

This Symposium is a successor of those held in Mitwitz (1982), Cleveland (1985), Schloss Elmau (1987) and Almaden (1989).

The Symposium would not have been possible without generous assistance given by several Foundations. In addition, the Rotary Club of Okazaki South, local volunteers from Okazaki city, the International Association of Okazaki, the Soroptimist International of Okazaki and the Institute for Molecular Science have provided invaluable help. We express our sincere thanks to all of them, whose names can be found on the next page.

We are happy, and very proud, to say that it was the human ties and warm collaboration between the participants and the members of the Organizing and Executive Committees, which have led to the success of this Symposium.

The next UPS-Symposium will be held in Belgium.

November 1991

Hiroo Inokuchi
Tadaoki Mitani
Masahiro Kotani