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## Molecular Crystals and Liquid Crystals Science and Technology. Section A. Molecular Crystals and Liquid Crystals

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### Guest Editor's Foreword

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## GUEST EDITOR'S FOREWORD

The 2nd International Conference "Electronic Processes In Organic Materials", held in Kyiv (Kiev) May 18–22, 1998, was organized by European and Ukrainian Physical Societies. The first Conference in this research field was organized in Ukraine by American and Ukrainian Physical Societies (Kyiv, August–September, 1995).

It is worth mentioning that Prof. Martin Pope was the first initiator of this series of scientific meetings in Ukraine. The organizers of the Conference are very grateful for useful discussions with him and his advises concerning the program of the Conference. We also thank Prof. Francisco J. Balta Calleja who has made greater contribution in creation of the Program and adopting it in European Physical Society.

The Conference is aimed at examining the peculiarities of electronic processes in organic systems as well as applied problems, for example, molecular electronics, information recording, energy sources. Besides traditional problems such as energy structure, charge carrier generation and transport, defects influence on electronic processes and so on; in particular, new fields such as electronic processes in macromolecules, nanostructures, polyelectrolytes and fullerenes were examined.

The topics of Conference were:

- Energy structure of organic materials, processes of excitons formation and transport.
- Photogeneration, recombination and transport of charge carrier.
- Effect of structural features of organic materials (polymorphism, structural defects, impurities, etc.) on electronic processes.
- Electronic processes at the interface of organic materials with metals, organic and inorganic media, multilayer structures.
- Electronic processes in low dimensional structures (macromolecules, nanostructures, molecular wires, etc.).
- Electronic processes in organic materials under ionizing radiation.
- Aging, degradation and destruction of organic systems and their effect on efficiency of generation, transport and recombination of excitons and charge carriers.
- Physical aspects of the practical application of organic materials (recording media, basic elements of molecular electronics, solar cells, sensors and others).

132 active workers in the field from 15 countries took part in the Conference. All of them had active after-session discussions. 70 lectures and ~ 50 posters were presented at the Conference.

The participants of Conference agreed to continue the series of conferences, holding a meeting on the South of Ukraine in 2001.

The organizers of the 2nd International Conference "Electronic Processes In Organic Materials" want to heartily thank all sponsors, and particularly 3M; Imation Corporation, Molecular Crystals and Liquid Crystals, Gordon and Breach Science Publishers.

We are very grateful to Editor Carlynn Chironna and Editorial Assistant Susanne Jones for their kindly assistance in the organization of the present publication.

The Guest Editors  
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V. Y. Sugakov  
Yu. I. Prilutski  
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