



## Molecular Crystals and Liquid Crystals

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### Foreword

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## Foreword

Flat panel displays (FPDs) have been developed quickly in recent years and FPDs with very large screens have been commercialized: liquid crystal displays (LCDs), organic light-emitting diodes (OLEDs) and plasma display panels (PDPs). These FPDs show very fast response, very wide viewing angles and very high resolution, all of which are necessary for high performance TVs. Furthermore, much effort has been paid to develop FPDs with electroluminescence, which will be expected to be commercially available in near future.

In these FPDs, both Japan and Korea are now playing leading roles in the basic researches and commercial productions all over the world. It is therefore quite important that research scientists from academia and industries of both countries come together and discuss the state-of-the-art results in advanced display materials and devices to further develop high performance FPDs.

Professors Lee Soon Park of Kyungpook National University (Korea) and Tomiki Ikeda of Tokyo Institute of Technology (Japan) decided to have an international symposium on the advanced display materials and devices, ADMD (initially LCMD, International Symposium on Liquid Crystalline Materials and Devices) and had the first symposium in 1997 at Daegu in Korea. Since then, the ADMD has been held alternatively in Japan and Korea, and 10th Anniversary Symposium (ADMD2006) was held at Kumamoto University in Japan in 2006, which was organized by Professor Seiji Kurihara of Kumamoto University. This volume presents the Proceedings of the ADMD2006 held in Kumamoto on June 22 and 23, 2006.

ADMD2006 was sponsored by the Grant-in-Aid for Scientific Research (S) (No. 16105004) from the Japan Society for the Promotion of Science (JSPS) under the auspices of the Japanese Liquid Crystal Society, The Society for Information Display, Korea Chapter, The Korean Society of Industrial Engineering Chemistry, Information and Electric Materials Division.

The ADMD2006 was organized successfully, which was owing to the help of many people: participants, reviewers of the papers submitted

to this special issue and also to Ms Colleen Franciscus, the Production Editor of this volume for minute editing.

July 2007  
Tomiki Ikeda  
Seiji Kurihara  
Lee Soon Park

### **ADMD2006 Scope of the Symposium**

- 1) Liquid Crystalline Materials and Devices  
Liquid Crystal Synthesis, Properties and Physics  
AMLCD, Transflective LCD Technology  
TFT Array and Poly-Si AMLCDs  
LCD Materials, Process and Components  
Others
- 2) OLED and Flexible Display Materials and Devices  
OLED Materials and OLED Devices  
Organic TFTs and OLED Fabrication Process  
e-Paper and Flexible Display Materials and Devices  
Others

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