
FOREWORD

Special Section on Electronic Displays

Electronic displays are currently ones of the most important engineering technologies in civilized societies, which have been widely applied to smart phones, tablet terminals, portable game machines, large flat televisions, notebook personal computers, desktop personal computers, etc. They will also direct cool future as shown in science-fiction films, such as head-mount displays, information displays in vehicles and at everywhere in societies, virtual and augmented realities, and what we cannot imagine now. The fabrication technologies had been firstly developed mainly in Japan and have been recently spread mainly to Asia. However, not only fabrication technologies but also comprehensive systems are indispensable to improve electronic displays in future societies, including driving circuit, signal processing, software technologies, contents supply, business models, etc. In such trends, research and development must be executed in multiple fields. On behalf of the Technical Committee of the Electronic Information Displays (EID), we would like to prepare this special section as a place to publish such research and development on electronic displays.

International Display Workshops (IDW) is one of the international conferences representative of the display field in the world and have been held in Japan every year from 1994. In particular, it features many academic and scientific valuable presentations and discussions with many participants from all over the world. The 21st International Display Workshops (IDW '14) was held in Toki Messe Niigata Convention Center on December 3-5, 2014. Some presentations in IDW '14 were selected by the program committee of IDW '14 and recommended to submit corresponding papers to this special section. The submitted papers were carefully reviewed, and some papers expressing well the recent progress of display technologies including display devices and materials are published. There are 9 papers consisting of 4 regular papers and 5 brief papers in this special section. We hope that these papers are useful to further research on electronic displays.

Finally, as a guest editor-in-chief in this special section, I would like to express my deepest thanks to all the authors for their submission of interesting papers, and also appreciates all the members of the editorial committee listed below for their intense efforts and remarkable contributions for this special section.

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Mutsumi Kimura (*Senior Member*) received the B.E. and M.E. degrees in Physical Engineering from Kyoto University in 1989 and 1991, respectively, and the Ph.D. degree in Electrical and Electronic Engineering from Tokyo University of Agriculture and Technology in 2001. He joined Matsushita Electric Industrial Co., Ltd. in 1991, Seiko Epson Corp. in 1995, and Ryukoku University in 2003. He has been working on TFT characteristic analysis, TFT simulator development, TFT-OLED development, and their advanced applications. He is a member of IEICE, JSAP, IEEE, and SID, had been a chairman of Technical Committee on Electronic Information Displays, IEICE from 2013 to 2014, and is a program chair of IDW '15.

