



THE TWENTIETH INTERNATIONAL WORKSHOP ON ACTIVE-MATRIX FLATPANEL DISPLAYS AND DEVICES
—TFT Technologies and FPD Materials—

July 2-5, 2013, Ryukoku University Avanti Kyoto Hall, Kyoto, Japan

Final CALL FOR PAPERS

The Twentieth International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD'13) will be held at **Ryukoku University Avanti Kyoto Hall**, Kyoto, Japan **from July 2 to 5, 2013**. (http://www.ryukoku.ac.jp/about/campus_traffic/traffic/t_hall.html)

This workshop has been providing good opportunities to exchange ideas for advanced information on active-matrix flatpanel displays (AM-FPDs), thin-film transistors (TFTs), photovoltaics (PV) technologies, thin-film materials and devices (TFMD), and other related topics.

Papers are solicited on, but not limited to, the following topics:

- **Flat Panel Display (FPD):** LCDs, OLED displays, e-papers, 3-D displays, flexible displays, multi-functional displays, printed displays, new display technologies, touch screens, in-cell technologies, driving methods, integrated drivers, system in panels, display materials and systems.
- **TFT Technologies (TFT):** amorphous, microcrystalline, and polycrystalline Si TFTs, organic TFTs, oxide TFTs, other material TFTs such as graphene, carbon nanotubes, and semiconductor nanowires, device modeling, device and circuit simulation, and reliability.
- **Photovoltaics (PV):** thin-film solar cells (Si-based, compound, and organic semiconductors), amorphous/crystalline Si heterojunction, passivation, transparent conductive oxides and light management, third-generation (quantum dots, interband, plasmon etc.), BIPV, characterization, and reliability.
- **Thin-Film Materials and Devices (TFMD):** thin-film materials and processing, apparatus technology, thin-film emerging devices (imaging devices, sensors, and others.), and thin film and devices characterizations (structural, optical and electrical properties).

20th Anniversary Session

AM-FPD'13 will be the 20th anniversary. We have the privilege of welcoming the following speakers:

Prof. Tatsuo Uchida (Sendai Nat'l College of Technol./Tohoku Univ., Japan)

Prof. Yue Kuo (Texas A&M Univ., USA)

Mr. Hiroyuki Ohshima (Japan Display, Japan)

Prof. Tetsuo Tsutsui (CEREBA/Kyushu Univ., Japan)

ORGANIZING CHAIR

H. Hamada
Panasonic

VICE CHAIR

H. Tsutsu
Japan Display

STEERING CHAIR

Y. Uraoka
NAIST

VICE CHAIR

H. Kitakado
Sharp

PROGRAM CHAIR

M. Furuta
Kochi Univ. Tech.

VICE CHAIR

S. Horita
JAIST

Keynote Address

“Fast, Current and Future TFT Technologies for Display Manufacturing”

Prof. Jin Jang (Kyung Hee Univ., Korea)

“Current Status of Thin-Film Solar Cells and Future Prospects”

Prof. Makoto Konagai (Tokyo Inst. of Technol., Japan)

Symposium / Special Session

In addition to the regular sessions, symposia *“Breakthrough for Future Applications of Thin-Film Transistor (Tentative) ”*, *“Flexible/Printed Photovoltaics”* and *“Current Status and Development Trends in Graphene Devices”* are scheduled. And also, a special session, *“Printing/ Flexible Display Panels for Large Area, Thin and Lightweight Applications”* is planned. Invited speakers will talk about the latest topics regarding these subjects.

IEEE Xplore

The accepted papers will be published in **IEEE Xplore**.

JJAP Special Issue

We plan to publish JJAP Special Issue. The authors of the superior papers will be recommended by the committee to submit the papers for the publication in the JJAP special issue of **“Active-Matrix Flatpanel Displays and Devices - TFT Technologies and FPD Materials-”**.

Tutorial in Japanese

Attendees will have short-course lectures on *“Oxide Thin-Film Transistors -Process and Device Technologies-”* and *“Reliability of Photovoltaic Modules”*. The tutorial is aimed at beginners as well as experienced researchers who like to review them. Presentations and documents will be in Japanese. The lecture will be available for an additional fee.

4-PAGE CAMERA-READY PAPER DEADLINE : March 20, 2013 (Japan Standard Time)

LATE NEWS CAMERA-READY PAPER DEADLINE : May 7, 2013 (Japan Standard Time)

PREPARATION AND SUBMISSION OF PAPERS

Authors are required to submit a *4-page camera-ready paper* with all figures and tables via website for review. Please use A4-size or 8.5×11-inch PDF file based on the format that is described in the instructions for preparing 4-page Camera-Ready Summaries for AM-FPD'13. It is provided at the website (<http://www.amfpd.jp/>).

Category of the work (FPD, TFT, PV, TFMD) and preferred mode of presentation (Oral or Poster) should be selected in the online submission page.

Please follow the instructions:

- (1) Don't use two byte characters or Asian Fonts.
- (2) The standard font should be used whenever possible, for example, Times-Fonts Family, Helvetica-Fonts Family.
- (3) If you wish to type a symbolic character into the paper, please use Symbol-Fonts Family.
- (4) It is desirable to prepare PDF file by Acrobat 4.X or later and PDF version 1.3.

Papers must be original contributions. The 4-page paper is required to include the following points:

- (1) Objective and backgrounds, describing the goal and the motivation of your work shortly.
- (2) Results, describing the specific new results in detail.
- (3) Impact and significance of your work, comparing your findings with prior published work(s).
- (4) Prior publications and references.

The 4-page paper for review in PDF file must be submitted via website.

AM-FPD'13 website: <http://www.amfpd.jp/>

ACCEPTANCE

Authors of accepted papers will be notified by the end of April, 2013. Accepted papers can be presented either by oral or by poster. The program committee, however, reserves the right to consider your paper for either oral or poster presentation. Oral presentations, including questions and answers, are scheduled for 20 minutes.

The accepted paper will appear as it is on the Proceedings of the AM-FPD'13.

Acceptance is subject to following conditions:

- (1) All advance registration is required for all presenting authors.
- (2) The paper submitted to AM-FPD'13 must not be published nor placed on the Web before it is presented at the conference.

LATE NEWS

A limited number of Late News papers reporting important findings or developments may be accepted. Deadline for receipt of *2-page camera-ready manuscript* is May 7, 2013 (Japan Standard Time). Late News papers are also submitted via the website. Detailed instruction for preparing the manuscript is available at the website (<http://www.amfpd.jp/>).

AWARD(S)

AM-FPD Paper Awards will be given to the best, poster and student papers presented in this workshop and will be honored at the next workshop. And ECS Japan Section (Technical co-sponsor for AM-FPD'13) and AM-FPD Organizing Committee jointly established the high-minded award, "AMFPD-ECS Japan Section Young Researcher Award".

FURTHER INFORMATION

For further information and submission of papers, please visit:

AM-FPD'13 website (<http://www.amfpd.jp/>)

If you have any questions or inquiries, please contact:

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