



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

July 4-6, 2012, Ryukoku University Avanti Kyoto Hall, Kyoto, Japan

The Nineteenth International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD'12) will be held at **Ryukoku University Avanti Kyoto Hall**, Kyoto, Japan **from July 4 to 6, 2012**. (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), thin-film materials and devices (TFMD), photovoltaics (PV) technologies, 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, touch screens, driving methods, integrated drivers, and 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.
- **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).
- **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.), characterization, and reliability.

Keynote Address

“Current Status and Future Prospects of Oxide Semiconductors” (tentative)
Prof. Hideo Hosono (Tokyo Inst. of Technol., Japan)

“Prospects of Thin Film Solar Cells: Towards Competitive Efficiencies”
Prof. Hans-Werner Schock (Helmholtz-Zentrum Berlin, Germany)

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Symposium

In addition to the regular sessions, symposia *“Reliability of Si, Oxide, and Organic TFTs”*, *“Current Status and Future Prospects of Novel Transparent Conductive Films”* and *“Recent Progress in Thin-Film Solar Cells”* are scheduled. 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

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 *“Thin-Film Transistors and Flatpanel Displays”* and *“Materials and Device Technologies for Thin-Film Solar Cells”*. 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.

DEADLINE FOR RECEIPT OF 4-PAGE CAMERA-READY PAPER

March 20, 2012

Accepted paper will appear in the Proceedings as it is.

PREPARATION AND SUBMISSION OF PAPERS

Authors are required to submit a *4-page camera-ready paper* with all figures and tables via web site 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 '12. It is provided at the web site (<http://www.amfpd.jp/>).

Category of the work (FPD, TFT, TFMD, PV) 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 web site.

Web site: <http://www.amfpd.jp/>

ACCEPTANCE

Authors of accepted papers will be notified by the end of April, 2012. Accepted papers can be presented either by oral or 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 '12.

Acceptance is subject to following conditions:

- (1) All advance registration is required for all presenting authors.
- (2) The paper submitted to AM-FPD '12 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 16, 2012. Late News papers are also submitted via the web site. Detailed instruction for preparing the manuscript is available at the web site (<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.

FURTHER INFORMATION

If you have any questions or inquiries, please contact:

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Detailed information will be provided on the web site (<http://www.amfpd.jp/>) by the end of 2011.