



**THE 21ST INTERNATIONAL WORKSHOP ON ACTIVE-MATRIX FLATPANEL DISPLAYS AND DEVICES
—TFT Technologies and FPD Materials—**

July 2-4, 2014, Ryukoku University Avanti Kyoto Hall, Kyoto, Japan

The 21st International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD '14) will be held at **Ryukoku University Avanti Kyoto Hall**, Kyoto, Japan **from July 2 to 4, 2014**. (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):** flexible displays, printing technologies, novel display technologies, LCDs, OLED displays, e-papers, 3-D displays, multi-functional displays, touch screens, in-cell technologies, driving methods, integrated drivers, system in panels, display materials and systems,
- **TFT Technologies (TFT):** oxide TFTs, organic TFTs, amorphous, microcrystalline and polycrystalline Si TFTs, other material TFTs such as graphene, carbon nanotubes, layered transition metal dichalcogenide, 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).

ORGANIZING CHAIR

H. Hamada
Kinki Univ.

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S. Kuroki
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JAIST

Keynote Address

“Electronics on Plastic for Applications in Displays, Sensor Read-Out and Circuits”

Prof. Paul Heremans (imec, Belgium)

“Development of Thin-Film Organic Photovoltaics and Evolution in the Future”

Mr. Hiroaki Yamaoka (Mitsubishi Chemical Corporation, Japan)

Symposium / Special Session

In addition to the regular sessions, symposia *“Advanced TFT Technologies for Flexible Electronics”*, *“Advanced PV Technologies”* and *“Novel Printing and Solution Technologies”* are scheduled. And also, a special session, *“Future Display Technologies”* 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

This 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.

“Organic Transistors and Flexible Electronics - from Materials to Medical Applications”

Prof. Tsuyoshi Sekitani (The University of Tokyo, Japan)

“Future Plan of Electronic Device Industry”

Mr. Wataru Izumiya (Sangyo Times, Inc., Japan)

4-PAGE CAMERA-READY PAPER DEADLINE : March 24, 2014 (Japan Standard Time)
LATE NEWS CAMERA-READY PAPER DEADLINE : May 7, 2014 (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. *It is acceptable, however, for students to submit a camera-ready manuscript of 2 or more pages.*

Please use A4-size or 8.5×11-inch PDF file based on the format that is described in the instructions for preparing Camera-Ready Summaries for AM-FPD '14. 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 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 paper for review in PDF file must be submitted via website.

AM-FPD '14 website: <http://www.amfpd.jp/>

ACCEPTANCE

Authors of accepted papers will be notified by the end of April, 2014. 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 '14.

Acceptance is subject to following conditions:

- (1) All presenting authors are required to complete the advance registration by May 31 (including the payment).
- (2) The paper submitted to AM-FPD '14 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, 2014 (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 '14) 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 '14 website (<http://www.amfpd.jp/>)

If you have any questions or inquiries, please contact:

AM-FPD Secretariat c/o Mobara Atecs, Ltd.
3401, Hayano, Mobara, Chiba 297-0037, Japan
Tel: +81-475-23-1150 Fax: +81-475-25-7703
E-mail: secretariat@amfpd.jp