

GENERAL INFORMATION

The 27th International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD '20) will be held as an online meeting from September 1 (Tuesday) to 4 (Friday), 2020. This international workshop was established in 1994 to present the latest research and development in Active Matrix Liquid Crystal Display technologies and their applications. In addition to AMLCDs and AMOLEDs, the scope has been widened to novel flat panel displays, materials for displays, flexible technologies, related physical phenomena and novel thin-film devices such as thin-film transistors (TFT), photovoltaics (PV) technologies, and other thin-film materials and devices (TFMD).

We hope that you will attend and enjoy our workshop.

WORKSHOP THEME

AM-FPD '20 prepare an attractive program focusing on ***“Ready, Jump Up to a New Era !”***.

SYMPOSIA

In addition to the regular sessions, we prepare symposia which numerous speakers discuss for attractive and interesting themes.

Special Symposium on Vehicular Displays focus on exciting developments paving the future of invehicle displays. The automotive industry is currently experiencing profound changes in its business environment, which also have a strong impact on design and requirements of the human-vehicular interface, specifically displays.

On September 3, symposia, ***“Oxide TFT Technologies for New Applications”***, ***“Emerging Technologies for Ubiquitous Electric Power Generation by [PV + X]”*** and ***“Recent Progress in Thin-Film Device Fabrication”*** are scheduled. Invited speakers talk about the latest topics from the viewpoints of functional materials, device structures, fabrication processes, driving schemes, circuit technologies, etc.

PRESENTATION TIMES FOR SPEAKERS

	Total	Presentation	Discussion
Keynote	30 min.	25 min.	5 min.
Special Symposium	30 min.	25 min.	5 min.
Invited	25 min.	20 min.	5 min.
Symposium	30 min.	25 min.	5 min.
Oral	20 min.	15 min.	5 min.
Poster	15:40-17:40, September 3		
Poster display on the web and short presentation will be planned in the poster session.			

LANGUAGE

The official language of the workshop is English.

REGISTRATION

For Registration, access our online registration page (<http://www.amfpd.jp>) and enroll your information and complete payment. Registration fee is discounted until August 4(JST). Registration and other fees should be paid in Japanese yen via bank transfer*¹ or credit cards. VISA, Master, DC, AMEX, Diners, Nicos and JCB are acceptable. After your payment has been confirmed, confirmation can be downloaded from our online registration page.

*¹ Bank transfer for AM-FPD

A/C No.: 3106887 Mizuho Bank, Ltd. Jugogou Branch

A/C Name: Nippon Travel Agency Co., Ltd.

Registrants living in Japan can make payment via bank transfer or credit cards. Registrants living overseas can make payment by credit cards only.

Category	Advance Registration Fee until August 4, 2020 (JST)	Registration Fee	[One day] Special Symposium Only* ³
WORKSHOP*²			
Member* ⁴	¥45,000	¥50,000	¥35,000
Non-Member	¥47,000	¥52,000	
Student	¥15,000	¥17,000	
TUTORIAL			
Regular	Tutorial Only	¥7,000	
	Conference Attendee	¥5,000	
Student		Free	

*²The registration fee of the workshop includes the admission to all sessions and the proceedings. No banquet is scheduled.

*³One day pass of “Special Symposium Only” is available to attend Special Symposium and panel discussion on Wednesday, September 2. The proceedings of the AMFPD '20 is included in the fee.

*⁴The member of the societies which sponsor and support AM-FPD '20

Sponsored Society:

The Japan Society of Applied Physics

The Electrochemical Society - Electronics and Photonics Division –

The Electrochemical Society - Japan Section -

IEEE Electron Devices Society

The Institute of Electronics, Information and Communication Engineers

The Institute of Image Information and Television Engineers

The Institute of Electrical Engineers of Japan

The Chemical Society of Japan

The Laser Society of Japan

Japanese Liquid Crystal Society

Thin Film Materials & Devices Meeting

Society for Information Display - Japan Chapter -

THE PROCEEDINGS OF AM-FPD '20

The Proceedings of AM-FPD '20 is delivered in our workshop special website from September 1.

ON-DEMAND VIEWING

The presentations that have been permitted for recording and distribution by the author will be available for registered persons until September 30, 2020.

CANCELLATION POLICY

You can cancel registration without cancel charge until August 4, 2020. a written notification should be sent to NTA by e-mail (am_fpd@nta.co.jp) or by FAX (+81-43-225-2241) to avoid any trouble.

No cancellation is accepted after August 5 because you can view on-demand.

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Endorsement Letter

The endorsement letters to IEEE Journal Electron Device Society (J-EDS) or ECS Journal Solid State Science and Technology (JSS) will be issued for excellent papers, which are chosen at our internal rating processes by AMFPD program committees.

Please select which journal you wish getting the endorsement letter when you submit a paper to AM-FPD.

1. Endorsement letters will be issued to excellent papers from the AM-FPD committee after AM-FPD '20 workshop is held.
2. After you receive the endorsement letter,
 - Please attach your paper of AM-FPD '20 and the endorsement letter when submitting your manuscript to each journal,
 - You make sure to add in your reference list when you reuse the contents (figures / tables) used in your paper of AM-FPD '20.

Your ID and password are required to be registered before submitting your manuscript to each journal.

IEEE XPLORE DIGITAL LIBRARY

The Proceedings of AM-FPD '20 will be published in the IEEE Xplore digital library in around 2 months after the workshop.

TUTORIAL

These classes are widely aimed at many people from beginners to researchers who hope to review their knowledge. Presentations and documents will be in Japanese. Documents will be distributed to the attendees who have registered in advance. These classes are available for an additional fee.

Tuesday, September 1 (10 : 00 ~ 12 : 00)

Chairperson : H. Okada, *Univ. of Toyama, Japan*

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|-------------|---|
| 10:00 (T-1) | Basic Property and New Technology of Oxide TFT
Yukiharu Uraoka, <i>Nara Inst. of Sci. and Technol., Japan</i> |
| 11:00 (T-2) | Physics of Solar Cells and Technologies for Higher Photovoltaic Conversion Efficiency
Noritaka Usami, <i>Nagoya Univ., Japan</i> |

AWARDS

Papers presented at this workshop will be considered for “AM-FPD Paper Awards”, “AMFPD-ECS Japan Section Young Researcher Award”. These winners will be presented at the award ceremony in AM-FPD '21 workshop.

AM-FPD Paper Awards

“Best Paper Award”, “Poster Award” and “Student Paper Award” will be presented. The winners of them are selected by AMFPD '20 award committee chaired by Professor Yukiharu Uraoka (*NAIST*).

AMFPD-ECS Japan Section Young Researcher Award

ECS Japan Section and AM-FPD Organizing Committee have jointly established “AMFPD-ECS Japan Section Young Researcher Award”. This award will be given to the author under the age of 35 that belongs to the university or the research institute in Japan.

AM-FPD '19 PAPER AWARD

Best Paper Award

(SP2-2) Single-Layer Cu Gate Electrode for Large Display Devices
Hoon Kim, Bin Zhu, Rajesh Vaddi, Ming-Huang Huang, Robert Manley, *Corning Res. and Development Corp., USA*

Poster Paper Award

(P-4) Low-Temperature Process Compatibility for the Oxide Thin Film Transistors Using In-Ga-Zn-O Active Channels Prepared by Atomic-Layer Deposition at 150 °C
So-Jung Yoon¹, Seung-Bo Ko¹, Nak-Jin Seong², Kyujeong Choi², Woong-Chul Shin², Sung-Min Yoon¹, ¹*Kyung Hee Univ., Korea*, ²*NCD Co. Ltd., Korea*

Student Paper Award

Sem Visal, Tokai University, Japan

(P-14) Efficient Planar Perovskite Solar Cells with Entire Low-Temperature Processes via Brookite TiO₂ Nanoparticle Electron Transport Layer

AMFPD-ECS Japan Section Young Researcher Award

Fahmi Machda, Kyoto Univ., Japan

(3-3) Effects of Sputtering Gas on Crystal Growth Orientations and Durability of Al-Doped ZnO Transparent Electrodes in Harsh Environment