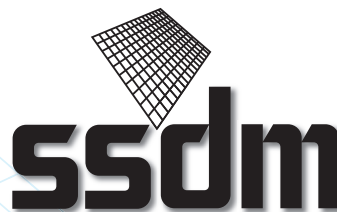


# 2018 INTERNATIONAL CONFERENCE ON SOLID STATE DEVICES AND MATERIALS

## Short Courses

Sunday September 9, 2018



**A**

### Li-ion battery and Fuel cell technology: Fundamentals and Beyond

11:00 - 11:10

#### Introduction

Masashi Ikegami  
(Organizer / Toin Univ. of Yokohama)

11:10 - 12:00



#### “Lithium Ion Battery -Current, Past, and Future”

Akira Yoshino  
(Meijo University / Fellow of Asahi Kasei Corporation)

12:00 - 12:50



#### “Solid Phase Reactions of Active Materials of Lithium Ion Battery”

Zempachi Ogumi  
(Kyoto University)

--- Lunch Break (60 min) ---

13:50 - 14:40



#### “Green Hydrogen and Fuel Cells for the Future Sustainable Growth” (Tentative)

Ken-ichiro Ota  
(Yokohama National University)

14:40 - 15:30



#### “Study of the next-generation battery”

Shinji Nakanishi  
(Toyota Motor Corporation)

**B**

### Breaking technology in thin film electronics

10:10 - 10:20

#### Introduction

Seichiro Higashi  
(Organizer / Hiroshima Univ.)

10:20 - 11:10



#### “Recent progress for ultra-high resolution LCDs based on LTPS technologies”

Yoshiro Aoki  
(Japan Display Inc., Japan)

11:10 - 12:00



#### “OLED Microdisplays - An Overview”

Amal Ghosh  
(eMagin Corp., USA)

--- Lunch Break (60 min) ---

13:00 - 13:50



#### “Heterogeneous TFTs integration of IGZO and LTPS for a display backplane technology”

Jia-Hong Ye  
(AU Optronics Corp., Taiwan)

13:50 - 14:40



#### “Flexible circuits with organic and oxide thin-film transistors”

Paul Heremans  
(imec, Belgium)

14:40 - 15:30



#### “Benefits of Heterogeneous Integration: The N3XT 1000x”

Eric Pop  
(Stanford University, USA)

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