



IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

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|----------------------|---------------------------------------|---------------------|--------------|
| Session Title | Inorganic and Hybrid Materials | Session Code | Th-C2 |
| Date and Time | 2018-08-23 / 13:30 - 15:30 | | |
| Place | Room C | | |
| Session Chair | TBA | | |

Th-C2-1

13:30 - 14:00

[Invited] Printed and Stretchable Hybrid Electronics Platform Technology

Yongtaek Hong, Junghwan Byun, Eunho Oh, Byoungmoon Lee, Jaeyoung Yoon, Hyunjong Kim, Sungdae Choi, Hyun Cho, Daesik Kim, and Taehoon Kim
Seoul Nat'l Univ., Korea

Th-C2-2

14:00 - 14:30

[Invited] Sol-Gel Derived Metal Oxide Inks for Printed Devices

Jaewon Jang
Kyungpook Nat'l Univ., Korea

Th-C2-3

14:30 - 15:00

[Invited] Solution Processing of High-Performance and Scalable Metal-Chalcogenide Semiconductors

Myung-Gil Kim¹, SungKyu Park¹, and Tobin Marks²
¹Chung-Ang Univ., Korea, ²Northwestern Univ., USA

Th-C2-4

15:00 - 15:15

Flexible 1 Schottky Diode-1 Phase Change Memory on Plastics

Do Hyun Kim, Han Eol Lee, and Keon Jae Lee
KAIST, Korea

Th-C2-5

15:15 - 15:30

Zinc and Tin Co-Doped Ternary Indium Oxide as a Transparent Conducting Oxide Developed through Combustible Precursor with a Minimal Thermal Investment

Pavan Pujar^{1,2}, Kartick Tarafder¹, Dipti Gupta², Yong-Young Noh³, and Saumen Mandal¹
¹NITK, India, ²Indian Inst. of Tech. Bombay, India, ³Dongguk Univ., Korea

Th-C2-6

15:30 - 15:45

Organic-Inorganic Hybrid Transparent Conductive Electrode for Flexible Electronics

Minh Nhut Le, Byung Doo Choi, and Myung Gil Kim
Chung-Ang Univ., Korea