



IUMRS-ICEM 2018

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

Session Title	Carbon based devices applications	Session Code	Mo-E1
Date and Time	2018-08-20 / 10:30 - 12:30		
Place	Room E		
Session Chair	TBA		

Mo-E1-1

10:30 - 11:00

[Invited] Adapting Carbon-based Interconnect Technology to Non-Classical FET Drivers for Enhanced Performance

Subindu Kumar, Tarun Kumar Sharma, Vatsala Raj, Neeta Bharti, and Princy Sharma
ISM, India

Mo-E1-2

11:00 - 11:30

[Invited] Diamond: a Brilliant Wide Bandgap Semiconductor

Robert J Nemanich
Arizona State Univ., USA

Mo-E1-3

11:30 - 12:00

[Keynote] Tuning the Thermoelectric Properties of Carbon Nanotube Films by Supramolecules

Yoshiyuki Nonoguchi
Nara Inst. of Sci. and Tech., Japan

Mo-E1-4

12:00 - 12:15

The Transport and Optoelectronic Properties of γ -Graphyne-based Molecular Magnetic Tunnel Junctions

Jin Li, Li-Chun Xu, Yongzhen Yang, Xuguang Liu, and Zhi Yang
Taiyuan Univ. of Tech., China

Mo-E1-5

12:15 - 12:45

[Invited] Electrical Properties of Diamond-Like Carbon Films under Mechanical Pressure

Yasuharu Ohgoe, Takahiro Suzuki, Shuji Obata, Kenji Hirakuri, and Akihiko Homma
Tokyo Denki Univ., Japan