



IUMRS-ICEM 2018

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

Session Title	Inorganic Solar Cells	Session Code	Mo-J2
Date and Time	2018-08-20 / 13:30 - 15:30		
Place	Room J		
Session Chair	TBA		

Mo-J2-1

13:30 - 14:00

[Invited] Minority Carrier Extraction Study in High Performance Kesterite Solar Cell

Oki Gunawan¹, Seong Ryul Pae², Jekyung Kim², Tayfun Gokmen¹, and Byungha Shin²
¹IBM Research, USA, ²KAIST, Korea

Mo-J2-2

14:00 - 14:30

[Invited] Alternative Routes for The Fabrication of Cu₂ZnSnS₄ Solar Cells

Stela Canulescu¹, Mungunshagai Gansukh¹, Simón López Mariño¹, Sara Lena Josefin Engberg¹, Filipe Mesquita Alves Martinho¹, Niels Christian Schjødt², Andrea Crovetto¹, Eugen Stamate¹, Chang Yan³, Xiaojing Hao³, Ole Hansen¹, and Jørgen Schou¹
¹Technical Univ. of Denmark, Denmark, ²Haldor Topsoe A/S, Haldor Topsøes Allé¹, Denmark, ³Univ. of New South Wales, Australia

Mo-J2-3

14:30 - 15:00

[Invited] Synthesis of Novel Earth-Abundant Chalcogenide and Its Applications to Solar Energy Conversion Devices

Donghyeop Shin¹ and David Mitzi²
¹KIER, Korea, ²Duke Univ., USA

Mo-J2-4

15:00 - 15:30

[Invited] Emerging Nitride Materials as Thin Film Photovoltaic Absorbers

Andriy Zakutayev
Nat'l Renewable Energy Laboratory, USA

Mo-J2-5

15:30 - 15:45

Stable N-Type InAs Colloidal Quantum Dots for Energy Application

Hyekyoung Choi¹, Jung Hoon Song¹, Hien Thu Pham¹, and Sohee Jeong^{1,2}
¹KIMM, Korea, ²UST, Korea