

Joint International Conference on The 8th ICMAP & The 9th ISFM

January 17-20, 2021 | Online Conference

[WA1] Photovoltaics Related Materials and Devices	
Date / Time	January 20 (Wed.), 2021 / 09:00-10:50
Place	Channel A
Session Chair(s)	Muhammad Jahandar (KIMS, Korea) Dong Chan Lim (KIMS, Korea)

[WA1-1] Invited

09:00-09:30

Carrier Transport Mechanisms of Reactively Direct Current Magnetron Sputtered Tungsten Oxide/N-Type Crystalline Silicon Heterojunctions

Vinh-Ai Dao¹, Thanh Thuy Trinh², Van-Ngoc Le², Sang-Ho Kim³, and Junsin Yi³

¹Duy Tan Univ., Vietnam, ²Viet Nam Nat'l Univ., Ho Chi Minh City, Vietnam, ³Sungkyunkwan Univ., Korea

[WA1-2]

09:30-09:50

Enhance Output Power of Dye Sensitized Solar Cell (DSSC) with V-Shape System Concave-Mirror Concentrator

Tika Erna Putri

Kyushu Univ., Japan

[WA1-3]

09:50-10:10

Effects of Concentrated Light on the Performance and Stability of Quasi-Solid Electrolytes in Dye-Sensitized Solar Cells

Fadzai Lesley Chawarambwa, Attri Pankaj, Kazunori Koga, and Masaharu Shiratani

Kyushu Univ., Japan

[WA1-4]

10:10-10:30

Large-Area Organic Photovoltaics – Indoor Power Generators for Self-Sustainable IoT Devices

Muhammad Jahandar, Soyeon Kim, Prasetio Adi, Souk Yoon Kim, and Dong Chan Lim

KIMS, Korea

[WA1-5]

10:30-10:50

Co-Absorbing Polymer for High Performance Ternary Polymer Solar Cells via Effective Backbone Modulation

Insoo Shin, Danbi Kim, Hyun-seock Yang, Pesi M. Hangoma, Bo Ram Lee, and Sung Heum Park

Pukyong Nat'l Univ., Korea