



## [Session B] Photocatalysis and Solar Cell 2

<b>Date / Time</b>	November 1, 2021 / 12:40-14:20
<b>Session Code</b>	MoB1-01
<b>Session Chair</b>	Prof. Jong Hyeok Park (Yonsei University, Korea)

Nov. 1 (Mon.)

MoB1-01-1 **Keynote Talk**

[Live] 12:40-13:10

**Probing the Photo-Catalytic CO<sub>2</sub> Reduction on Low-Dimensional Nano-Catalysts via In-situ and Operando Spectroscopies**

Li-Chyong Chen<sup>1</sup>, Heng-Liang Wu<sup>1</sup>, Tadesse Billo<sup>1</sup>, Yi-Fan Huang<sup>1</sup>, Ying-Ren Lai<sup>1</sup>, Hsiang-Ting Lien<sup>1</sup>, Po-Tuan Chen<sup>1</sup>, Amr Sabbah<sup>1</sup>, Indrajit Shown<sup>1,2</sup>, Michitoshi Hayashi<sup>1</sup>, and Kuei-Hsien Chen<sup>1</sup>

<sup>1</sup>National Taiwan University, Taiwan, <sup>2</sup>Hindustan Institute of Technology and Science, Taiwan

MoB1-01-2 **Invited Talk**

[Pre-recorded] 13:10-13:30

**Efficient Light Harvesting for Metal Oxide based Photoelectrochemical Energy Conversions**

Jung Kyu Kim

*Sungkyunkwan University, Korea*

MoB1-01-3 **Invited Talk**

[Pre-recorded] 13:30-13:50

**Development of Hematite Mesocrystal-Based Photoanodes for Solar Fuel Production**

Takashi Tachikawa

*Kobe University, Japan*

MoB1-01-4 **Invited Talk**

[Live] 13:50-14:10

**Charge Carrier Modulation Strategies for Nano-Heterojunction Photocatalysts**

Linlu Bai and Liqiang Jing

*Heilongjiang University, China*

MoB1-01-5 **Oral**

[Pre-recorded] 14:10-14:25

**Electrostatically Driven Resonance Energy Transfer in an All-Quantum Dot Based Donor-Acceptor System**

Pradyut Roy and Pramod P. Pillai

*IISER, India*