



[Session B] Ultrafast Charge Carrier Dynamics

Date / Time November 2, 2021 / 15:50-17:30

Session Code TuB3-04

Session Chair Prof. Hohjai Lee (GIST, Korea)

TuB3-04-1 **Keynote Talk**

[Live] 15:50-16:20

Ultrafast Charge Carrier Dynamics in Tetrabenzoporphyrin Derivatives Studied by Time-Resolved Terahertz SpectroscopyKaoru Ohta¹, Hiroko Yamada², and Keisuke Tominaga¹¹Kobe University, Japan, ²Nara Institute of Science and Technology, JapanTuB3-04-2 **Invited Talk**

[Live] 16:20-16:40

Singlet Triplet Gaps of Polyaromatic Hydrocarbons – A Density Matrix Renormalization Group Study

Debashree Ghosh

*Indian Association for the Cultivation of Science, India*TuB3-04-3 **Invited Talk**

[Pre-recorded] 16:40-17:00

Switching MLCT and ILCT States in Rhenium(I) Complexes

Keith C. Gordon

*University of Otago, New Zealand*TuB3-04-4 **Oral**

[Pre-recorded] 17:00-17:15

Intense Photoluminescence from Cu-Doped CdSe Nanotetrapods Triggered by Ultrafast Hole CaptureFariyad Ali¹, Sharmistha Das¹, Sucheta Banerjee², Bala Gopal¹, Gourab Rana¹, and Anindya Datta¹¹IIT Bombay, India, ²SP college Pune, IndiaTuB3-04-5 **Oral**

[Pre-recorded] 17:15-17:30

Mechanistic Insights into Selective Sensing of Pb²⁺ in Water by Photoluminescent CdS Quantum Dots

Sharmistha Das, Soumyadipta Rakshit, and Anindya Datta

IIT Bombay, India