

## NPG Asia Materials Symposium 2022

Commemorating the 15<sup>th</sup> anniversary of the journal existence

November 11, 2022, 13:30 - 18:00

Tokyo Institute of Technology

Ookayama campus main building, 4F, meeting room No. 1

13:30 - Opening Address by **Prof. Hidetoshi Sekiguchi** (Dean of School of Materials and Chemical Technology, Tokyo Institute of Technology)

13:40 - Introduction to *NPG Asia Materials* (Martin Vacha, Editor-in-Chief)

13:50 - 14:20 **Prof. Jonghyun Ahn** (Yonsei University, Korea)

2D material based active-matrix backplane for large area electronics

14:20 - 14:50 **Prof. Takanori Fukushima** (Tokyo Institute of Technology)

Design and application of organic and polymeric materials featuring a well-defined noncovalent 2D structure

14:50 - 15:20 **Prof. Masaru Kuno** (University of Notre Dame, USA)

Optical cooling of semiconductors and perovskites

15:20 - 15:40 **Prof. Tomoyasu Taniyama** (Nagoya University)

Artificial multiferroic heterostructures for spintronic applications

*Break*

16:00 - 16:20 **Prof. Vasudevan P. Biju** (Hokkaido University)

Exciton dynamics in self-assembled halide perovskite nanocrystals

16:20 - 16:50 **Prof. Masahiro Miyauchi** (Tokyo Institute of Technology)

Semiconductor-based photocatalyst for antiviral function and fuel production

16:50 - 17:10 **Prof. Ikuyoshi Tomita** (Tokyo Institute of Technology)

Onium salts with excellent alkaline resistant performance and their application to highly robust anion exchange membrane materials

17:10 - 17:30 **Prof. Martin Vacha** (Tokyo Institute of Technology)

Real-time monitoring and control of photophysics of conjugated polymers and other nanoscale systems on single-molecule level

17:30 - *Closing*