



Imperial College London  
Center for Plastic Electronic

Tokyo Institute of Technology  
School of Materials and Chemical  
Technology

## 3rd Workshop on Plastic Electronics and Related Science and Technology

**November 18, 2019**, Tokyo Tech Main Building, 3rd floor meeting room

10:00 – 10:10 Opening Address by **Yuji Wada** (Dean of School of Materials and Chemical Technology)

### *Session 1: Plenary Lectures*

10:10 – 10:55 **James Durrant**: Charge carrier dynamics in photocatalysts and photoelectrodes for solar driven water splitting

10:55 – 11:40 **Taro Hitosugi**: Interfaces in Solid-state Batteries and Materials Exploration Using AI/Robots

11:40 – 12:25 **Ji-Seon Kim**: Molecular Physics as a Critical Tool for Energy and Healthcare Materials

12:40 – 13:55 *Poster Session and buffet style lunch (Tokyo Tech Front, Royal Blue Hall)*

### *Session 2: Invited Lectures*

14:00 – 14:25 **Fumiyasu Oba**: Computational design and exploration of novel semiconductors

14:25 – 14:50 **Martin Heeney**: Post-polymerisation modification of conjugated polymers

14:50 – 15:15 **Ken Nakajima**: AFM nanomechanics on polymeric materials

15:15 – 15:40 **Martyn McLachlan**: Control of Microstructure, Morphology and Defects in Perovskite Solar Cells

15:40 – 16:00 *Coffee Break*

16:00 – 16:25 **Toshiyuki Ikoma**: Multi-functionalized Ceramics Nanoparticles as Cancer Therapy

16:25 – 16:50 **Artem Bakulin**: Ultrafast photocurrent spectroscopy of molecular electronic devices

16:50 – 17:10 **Mina Okochi**: Peptide Array-Based Functional Peptide Probe Screening

17:10 – 17:30 **Teruoki Tago**: Catalyst design for effective utilization of hydrocarbon resources

18:00 *Dinner*