



LIMMS-Next PV Joint Energy Workshop

March 22nd (Fri.) 2019, 13:00-18:00

IIS (An building: Convention Hall), The University of Tokyo

Program

Chair: Dr. Marc Bescond

13:00 – 13:10 **Opening: LIMMS-NextPV framework**

Dr. Sebastian Volz (LIMMS Director) - **Dr. Jean-François Guillemoles** (IPVF Director-NextPV)

Session 1: Nanothermal management and energy conversion

13:10 – 13:35 **Evaporative electron cooling in asymmetric double barrier semiconductor heterostructures**

Prof. Kazuhiko Hirakawa (LIMMS-IIS, University of Tokyo)

13:35 – 14:00 **Title TBA**

Mr. Maxime Giteau (NextPV-RCAST, University of Tokyo)

14:00 – 14:25 **Advanced heat flux control by phononic nanostructures**

Prof. Masahiro Nomura (LIMMS-IIS, University of Tokyo)

14:25 – 14:50 **Solar fuel production using III-V compound semiconductors**

Prof. Masakazu Sugiyama (NextPV-RCAST, University of Tokyo)

14:50 – 15:50 **Coffee break and poster session**

Chair: Prof. Masahiro Nomura

Session 2: Characterization of materials for PV applications

15:50 – 16:25 **Absolute photoluminescence spectroscopy on intermediate band solar cells**

Dr. Ryo Tamaki and Prof. Yoshitaka Okada
(NextPV-RCAST, University of Tokyo)

16:25 – 16:50 **Photo-assisted Scanning Probe Methods on Solar Cell Materials**

Prof. Takuji Takahashi (LIMMS-IIS, University of Tokyo)

Session 3: PV microsystems for sensors

16:50 – 17:15 **Colloidal quantum dot-based photovoltaics**

Prof. Takaya Kubo (NextPV-RCAST, University of Tokyo)

17:15 – 17:40 **Title TBA**

Prof. Corinne Alonso (LAAS-NextPV, Université Toulouse III)

17:40 **Closing Prof. Beomjoon Kim** (LIMMS Director)

Contact

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