

2nd International Workshop on Green Energy System and Devices

Program

2 (Monday), December, 2019 (301 lecture hall, 1st building)

9:40-9:50 Chair: Prof. Kazuto Yukita

Opening Remark Yasuyuki Goto, President, AIT

Green Energy system I (9:50-12:00)

Part 1 Japanese session Chair: Prof. Akihiro Torii

9:50-10:15 Invited

GES-I-1 “スマートグリッドとエネルギーマネジメントシステム
－豊田市バーチャルパワープラント (VPP)実証の概要と取組－”, 内田克己 (*中部電力*
(株), 日本)

10:15-10:40 Invited

GES-I-2 “需要地における給配電システム～国内での実証の取組～”武田 隆 ((株) *NTT*
ファシリティーズ, 日本)

10:40-10:50 short break

Part 2 English session Chair: Prof. Kazuto Yukita

10:50-11:20 Invited

GES-I-3 “Research DC-Microgrid Installation at Fraunhofer IISB”, Julian Kaiser (*Fraunhofer*
Institute for Integrated Systems and Device Technology IISB, Germany)

11:20-11:35 Invited

GES-I-4 “A Transactive Energy Mechanism Design of Virtual Power Plant “, Gao Ciwei
(*Southeast University, China*)

11:35-11:50 Invited

GES-I-5 “Microgrid Distributed Energy Resources Planning Based on Long-term Dynamic
Microsimulation “, Wang BeiBei (*Southeast University, China*)

11:50-12:05

GES-O-1 “Observer-based control design of Dual-Active-Bridge DC/DC converter for DC micro-
Grid applications “, Nguyen Duy-Dinh (*Aichi Institute of Technology, Japan*)

12:05-13:20 Lunch Time

Green Energy Devices (13:20-16:00) Chair: Prof. Tatsuo Mori

13:20-13:50 Invited

GED-I-1 “Bi-based Lead-free Perovskite Solar Cells”, Lixin Xiao (*Peking University, China*)

13:50-14:20 Invited

GED-I-2 “Flexible Transparent Conducting Oxides Based on Multiple Cracked Film Stackin”, Ching-Ming Hsu (*Southern Taiwan University of Science and Technology, Taiwan R.O.C*)

14:20-14:45 Invited

GED-I-3 “Single Molecular Single Electron Transistor based on Nanogap Electrodes”, Yutaka Majima (*Tokyo Institute of Technology, Japan*)

14:45-15:00 short break

15:00-15:25 Invited Chair: Prof. Yoshiyuki Seike

GED-I-4 “Organic MISIM Photocells: Optoelectronic Conversion using Photo-Induced Pure Polarization Current”, Kunio Awaga (*Nagoya University, Japan*)

15:25-15:40 Invited

GED-I-5 “Organic Rechargeable Battery with Vapor Deposited Thin Films of Trioxotriangulene Neutral Radical as a 100% Active Material Cathode”, Tsuyoshi Murata (*Aichi Institute of Technology, Japan*)

15:40-15:55

GED-O-1 “Advanced Fabrication of Organic Perovskite Solar Cells in AIT”, Tatsuo Mori (*Aichi Institute of Technology, Japan*)

15:55-16:00 closing remark

16:00-17:30 Poster Session (3F Lobby, 1st building)

17:30-17:40 moving

17:40-19:10 Banquet (Restaurant Central)

Poster Session

GES-P-1

GES-P-2

GES-P-3

GES-P-4

GES-P-5

GES-P-6

GES-P-7

GES-P-8

GES-P-9

GES-P-10

GES-P-11

GES-P-12

GES-P-13

GES-P-14

GES-P-15

GED-P-1

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GED-P-6

GED-P-7

GED-P-8

GED-P-9

GED-P-10

GED-P-11

GED-P-12

GED-P-13

GED-P-14