

ICTSS 2023 Invited Papers Session 02

Electronics and Information Technologies for Digital Exploding Society

Organizer: Haruo Kobayashi (Gunma University)

[ICTSS 2023 \(e-jikei.org\)](https://conf.e-jikei.org) <https://conf.e-jikei.org/ICTSS/2023/InvitedSessions.htm>

Dec. 4 (Mon) 11:10 – 15:35

Session Chair: Yasunori Kobori (National Institute of Technology (KOSEN), Oyama College)

11:10-11:30 IPS-02-01

[1] (Invited) Nobukazu Tsukiji, Seo Tsubasa (National Institute of Technology (KOSEN), Gunma College)

Development of Energy Harvesting Applications for low power IoT Devices

https://conf.e-jikei.org/ICTSS/2023/proceedings/materials/proc_files/IPS02/IPS-02-01-ICTSS2023_submit_tsukiji.pdf

11:30-11:50 IPS-02-02

[2] (Invited) Tatsuo Hagino (RFComsys Inc.), Takanori Komuro (Kanagawa Institute of Technology)

Basic Idea of Education for Wireless Communication Engineers

https://conf.e-jikei.org/ICTSS/2023/proceedings/materials/proc_files/IPS02/IPS-02-02-Hagino_ICTSS2023.pdf

11:50-13:50 Lunch

Session Chair: Jun-ichi Matsuda (Gunma University)

13:30-13:50 IPS-02-03

[3] (Invited) You Yin, Yuya Kuwabara, Yuki Hirota (Gunma University)

Nanostructure Formation on Si and Polyimide by Using 47100-9000 g/mol Molecular Weight PS-PDMS Blockcopolymer

https://conf.e-jikei.org/ICTSS/2023/proceedings/materials/proc_files/IPS02/IPS-02-03-ICTSS2023_YIN%20-%20final.pdf

13:50-14:10 IPS-02-04

[4] (Invited) Mutsumi Miuchi, Eiji Sawai, Shunsuke Yahagi, You Yin (Gunma University)

Doping O into Conventional GeTe/Sb₂Te₃ Superlattice for Functional Material of Artificial Synapse

https://conf.e-jikei.org/ICTSS/2023/proceedings/materials/proc_files/IPS02/IPS-02-04-ICTSS2023_Miuchi%20final.pdf

14:10-14:30 IPS-02-05

[5] (Invited) Kentaroh Katoh, Toru Nakura (Fukuoka University), Xiaoqing Wen (Kyushu Institute of Technology),

Haruo Kobayashi (Gunma University)

A Fine On-Chip Online Delay Measurement Using a MUX Chain for Failure Prediction and Analysis

https://conf.e-jikei.org/ICTSS/2023/proceedings/materials/proc_files/IPS02/IPS-02-05-ICTSS2023_Fukuoka_Katoh_en_20231124_v2_submitted.pdf

14:30-14:45 Break

Session Chair Kazuyoshi Kubo (National Institute of Technology (KOSEN), Gunma College)

14:45-15:15 KN-05

[6] (Keynote) Haruo Kobayashi (Gunma University)

Analog Neural Network Circuits in Old Days

15:15-15:35 IPS-02-06

[7] (Invited) Kenji Yamaguchi (Nihon University College of Economics), Anna Kuwana (Wayo Women's University)

Development of Learning Materials for Machine Learning utilizing Python in Senior High School

https://conf.e-jikei.org/ICTSS/2023/proceedings/materials/proc_files/IPS02/IPS-02-06-ICTSS2023_Yamaguchi.pdf

感想:

発表者、座長、参加者の皆様とも楽しんでいて満足していたような印象である。

主催者の群馬大学 藤井雄作先生、田北啓洋先生に感謝したい。

文責 群馬大学 小林春夫