

Institute of Advanced Sciences

先端科学高等研究院

29th Seminar of Research Unit for Extremely Energy-Efficient Processors 超省エネルギープロセッサ研究ユニット 第29回セミナー

Date: 15:00 – 18:00, July 15 (Thursday), 2021
日程: 令和3年7月15日(木) 15:00~18:00

Place: On line (Webex)

場所: オンライン(Webex) 以下のリンクから入って下さい。

<https://cisforschungsinstitutfuermikrosensorikgmbh.my.webex.com/cisforschungsinstitutfuermikrosensorikgmbh.my/j.php?MTID=mbf39326bf17772f5553737ef43953be9>

【Program】

“Hybrid assembly of superconducting circuits”

Thomas Ortlepp, *CiS Research Institute, Yokohama National University*

“Frequency synchronization of SFQ clock generators”

Yuki Yamanashi, *Yokohama National University*

“High-speed readout measurement of Josephson-CMOS hybrid memory”

Yuki Hironaka, *Yokohama National University*

“Demonstration of adiabatic quantum-flux-parametron adders with different architectures”

Tomoyuki Tanaka, *Yokohama National University*

“Microwave phase detector for qubit readout”

Yoshihiro Takagawa, *Yokohama National University*

“Design and optimization of Boltzmann machine using quantum-flux-parametron”

Kouhei Miyake, *Yokohama National University*

“Microwave control circuits for qubit applications”

Hongxiang Shen, *Yokohama National University*

“Designing of Current Boosters for Long Interconnection of Adiabatic Quantum-Flux-Parametron Logic Circuits”

Naoya Mizushima, *Yokohama National University*