

PE Lab_pre workshop Program

Dear all,

Thank you for registering to the PE_lab pre-workshop.

Pre-workshop Program

10:00-10:05 Opening

10:05-10:20 Oral Session 1

10:20-10:35 Oral Session 2

10:35-10:50 Oral Session 3

10:50-11:05 Oral Session 4

11:05-11:10 Break

11:10-11:30 Short Presentation by students

11:30-12:10 Poster Session Meeting

12:10-12:15 Closing

Please Access the channel of oral session and poster session.

The each channel has program details and meeting details.

You will be able to contact the host (secretary) on the chat system of slack.

And you will be able to write Comments and questions for speakers and poster presenters on the chat system of slack.

Online meeting password will be sent by email.

Oral Session & Short Presentation

DATE : May 29th, 2020 AM10:00-11:30



<https://us02web.zoom.us/j/83881432375>

Meeting password will be sent by email.



Please refrain from recording and photos.

Please kindly note that no materials will be distributed.

Program.

10:00~10:05 Opening

10:05~10:20 **Failure prediction of power devices based on real-time monitoring, Associate Prof. Akihiko Watanabe**

10:20~10:35 **Development of fast short-circuit protection system for advanced IGBT, Associate Prof. Masanori Tsukuda**

10:35~10:50 **Gate driving technology for multi-chip Insulated Gate Bipolar Transistors (IGBT) power devices, Dr. Tripathi Ravi Nath**

10:50~11:05 **Calculation of Single Event Burnout failure rate for high voltage devices under satellite orbit without fitting parameters, Prof. Ichiro Omura**

11:05~11:10 Break

11:10~11:30 **Short Presentation by students**

ABSTRACT: <https://www.dropbox.com/sh/jyuu06q6tk3rztY/AABamCBolJvJ07iCN0k13uyka?dl=0>



After this session, a poster session will be held !!

Please check the channel of poster session.

After the poster session, please return to the oral meeting room.

Poster session

DATE : May 29th, 2020 AM11:30-12:10

POSTER: <https://www.dropbox.com/sh/cdv8b4evcgxueto/AABTvzJQAqTVMI79bdmw2d-ba?dl=0>



Poster Room Meeting Password will sent by email.
You can freely enter and exit the conference room during the session.

【Poster_Room_A】  (zoom) <https://us02web.zoom.us/j/83922906754>



(poster01) **13kV UHV-IGBT : Feasibility Study, Atsushi Ito**



(poster02) **Feasibility study of 650V rated FP-MOSFET, Kouki Hoshihara**

【Poster_Room_B】  (zoom) <https://us02web.zoom.us/j/88648602866>



(poster03) **Switching characteristic optimization of IGBT using digital gate drive circuit, Kouji Harasaki**



(poster04) **Proposal of chip current nondestructive measurement method in power module, Narinao Nishio**

【Poster_Room_C】  (zoom) <https://us02web.zoom.us/j/83922906754>



(poster05) **Simultaneous Monitoring of Strain and Temperature for Power Semiconductor using Single IR camera, Yoshiki Masuda**



(poster06) **Verification of highly accurate power cycle test method, Yuma Kawauchi**

After the poster session, please return to the oral meeting room.

Thanks,

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