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# SPECIAL WORKSHOP KYUTECH-NUM BAIGALI PROJECT 2022

*March 16<sup>th</sup> 2023, 16:15~17:45*  
*Kyutech Wakamatsu Camp. 1F Robby*

# Program

## Introduction

GI (Green Innovation Course) Baigali Project

## Special Lecture

Space radiation induced failure rate calculation method using energy deposition probability function for high-voltage semiconductor device, *Erdenebaatar DashDondog (NUM)*

## Poster Session

P-1 Investigation of the Parasitic Inductance Influence on the Short-Circuit Behaviour of High Voltage IGBTs, *Du He (Kyutech)*

P-2 Extension of Zeller's Silicon Power Device SEB Failure Rate Calculation method to Aviation Altitude, *Gollapudi Srikanth (Kyutech)*

P-3 Research on Visualization of Thermal Grease Pumpout Phenomenon for Power Modules, *Wataru Toyomura (Kyutech)*

P-4 Analysis of IGBT drive system using gate pulse circuit, *Yuta Oku (Kyutech)*

P-5 Method of suppressing switching losses and surge voltage of IGBTs using gate pulse circuit, *Masaru Ochi (Kyutech)*

P-6 Miniaturization of Diamond Power Devices, *Kaito Miyashita (Kyutech)*

P-7 Proposal of a new crystallinity evaluation method for silicon wafers for power semiconductors, *Yu Manabe (Kyutech)*

P-8 NUM-Kyutech Green Innovation Project 2023, *Baasanjargal Munkhbat, Erkhembayar Purevdash (NUM)*

P-9 NUM-Kyutech Gate charge measurement of power semiconductors, *Erkhembayar Purevdash, Baasanjargal Munkhbat (NUM)*

