

## ■ Doctoral thesis oral defense (completion expected September 2021)

We will use video conference system.  
 \*Faculty members and students in Graduate major in Electrical and Electronic Engineering of Tokyo Tech can obtain the Zoom URL from the web site of Dept. of E&E Eng.

| 【Circuit】 Date : July 20th, 2021 Venue : Zoom                        |                              |                                      |                 |                  |  |   |
|--|------------------------------|--------------------------------------|-----------------|------------------|--|---|
| Presentation time  | Name                         | Graduate Major                       | Supervisor      | Co-supervisor    | Doctoral thesis title  | How to apply  |
| 13:00 ~ 14:30  | Abdo Ibrahim<br>Imad Ibrahim | Electrial and Electronic Engineering | Kenichi Okada   |                  | A Study of 300GHz-Band CMOS Phased-Array Transceiver System for High Data Rate Wireless Communication                    | Please contact Prof. Kenichi Okada for further information. E-mail: okada@ee.e.* (Please replace "*" with "titech.ac.jp")                         |
| <del>【Wave】 Date : July 8th (Thu), 2021 Venue : Zoom- Canceled</del> |                              |                                      |                 |                  |  |   |
| Presentation time  | Name                         | Graduate Major                       | Supervisor      | Co-supervisor    | Doctoral thesis title  | How to apply  |
| 9:00 ~ 10:30   | Mario Alberto Serrano Nunez  | Electrial and Electronic Engineering | Yuya Shoji      | Tetsuya Mizumoto | Study of cobalt ferrite thin films on silicon photonic platforms for monolithically integrated optical isolators         | Please contact Prof. Yuya Shoji for further information. E-mail: shoji@ee.e.* (Please replace "*" with "titech.ac.jp")                            |
| <del>【Wave】 Date : July 14th, 2021 Venue : Zoom- Canceled</del>      |                              |                                      |                 |                  |  |   |
| Presentation time  | Name                         | Graduate Major                       | Supervisor      | Co-supervisor    | Doctoral thesis title  | How to apply  |
| 13:00 ~ 14:30  | Kenji Hoshino                | Electrial and Electronic Engineering | Teruya Fujii    | Kei Sakaguchi    | Network Coordinated Interference Suppression Techniques in Cellular Radio Communication Systems                          | Please contact Specially Appointed Prof. Teruya Fujii for further information. E-mail: fujii@mobile.ee.* (Please replace "*" with "titech.ac.jp") |
| 【Power】 Date : 14 July (Wed), 2021 Venue : Zoom                      |                              |                                      |                 |                  |  |   |
| Presentation time  | Name                         | Graduate Major                       | Supervisor      | Co-supervisor    | Doctoral thesis title  | How to apply  |
| 10:45 ~ 12:15  | NUILERS Surasak              | Electrial and Electronic Engineering | Hideaki Fujita  |                  | Study of power loss reduction of a active front-end rectifier using an instantaneous reactive power compensator          | Please contact Prof. Hideaki Fujita for further information. E-mail: fujita@ee.e.* (Please replace "*" with "titech.ac.jp")                       |
| 13:00 ~ 14:30  | Shun Haneda                  | Electrial and Electronic Engineering | Hideaki Fujita  |                  | Study of power-loss reduction in high-power bidirectional isolated dc-dc converters using SiC-MOSFETs                    | Please contact Prof. Hideaki Fujita for further information. E-mail: fujita@ee.e.* (Please replace "*" with "titech.ac.jp")                       |
| 14:45 ~ 16:15  | Takuro Arai                  | Electrial and Electronic Engineering | Hideaki Fujita  |                  | Study of performance improvement in modular multilevel cascaded converters for low-voltage applications                  | Please contact Prof. Hideaki Fujita for further information. E-mail: fujita@ee.e.* (Please replace "*" with "titech.ac.jp")                       |
| 【Power】 Date : 16 July (Fri), 2021 Venue : Zoom                      |                              |                                      |                 |                  |  |   |
| Presentation time  | Name                         | Graduate Major                       | Supervisor      | Co-supervisor    | Doctoral thesis title  | How to apply  |
| 9:00 ~ 10:30   | Hanvin Kim                   | Electrial and Electronic Engineering | Nozomi Takeuchi |                  | Advanced Design Strategies of Carbon-Based Materials via Plasma in Liquid for Electrochemical Applications               | Please contact Prof. Nozomi Takeuchi for further information. E-mail: takeuchi@ee.e.* (Please replace "*" with "titech.ac.jp")                    |
| 【Power】 Date : 21 July (Wed), 2021 Venue : Zoom                      |                              |                                      |                 |                  |  |   |
| Presentation time  | Name                         | Graduate Major                       | Supervisor      | Co-supervisor    | Doctoral thesis title  | How to apply  |
| 9:00 ~ 10:30   | Cavalcante Rubio, Guilherme  | Electrial and Electronic Engineering | Akira Chiba     |                  | Study of a Radial Flux Bearingless Motor with Passive Electrodynamic Suspension on Axial Direction                       | Please contact Prof. Akira Chiba for further information. E-mail: chiba@ee.e.* (Please replace "*" with "titech.ac.jp")                           |
| 10:45 ~ 12:15  | Srichiangsa Theeraphong      | Electrial and Electronic Engineering | Akira Chiba     |                  | Study of Rotational Speed and Torque Density Improvement in One-Axis Actively Positioned Single-Drive Bearingless Motors | Please contact Prof. Akira Chiba for further information. E-mail: chiba@ee.e.* (Please replace "*" with "titech.ac.jp")                           |

※ 【Wave, Device & Material】 Not Applicable

2021. 6. 23