

## ■ Doctoral thesis oral defense (completion expected September 2024)

	【Circuit】 Date : June 25, 2024 Venue : Rm. 201, South Bldg. 3					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
1	13:00 ~ 14:30	Hans Herdian	Electrical and Electronic Engineering	Kenichi OKADA		Dual-Layer Proton Irradiation on CMOS On-Chip Passive Devices for Sub-THz Circuit Performance Enhancement
	【Circuit】 Date : June 26, 2024 Venue : Rm. 605, South Bldg. 9					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
2	9:00 ~ 10:30	MADANY Waleed Mahmoud Mohamed	Electrical and Electronic Engineering	Kenichi OKADA		A study on Jitter-Reduced Synthesizable Digital PLL for Clock Generation and Frequency Synthesis
3	10:30 ~ 12:00	HUANG Hongye	Electrical and Electronic Engineering	Kenichi OKADA		Design and Design Automation of Fully Synthesizable Frequency Synthesizers
4	13:30 ~ 15:00	XU Dingxin	Electrical and Electronic Engineering	Kenichi OKADA		A Study of Fractional Spur Suppression Techniques in Digital Phase Locked Loops
	【Circuit】 Date : July 4, 2024 Venue : Rm. 201, South Bldg. 3					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
5	10:30 ~ 12:00	IDE Michihiro	Electrical and Electronic Engineering	Atsushi SHIRANE	Kenichi OKADA	A Study on Transceivers with Simultaneous Wireless Information and Power Transfer for Millimeter-Wave Relay (ミリ波帯中継器向けデータ電力同時伝送型送受信機の研究)
	【Circuit】 Date : July 3, 2024 Venue : University Hall Assembly Room 1, Suzukakedai					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
6	15:00 ~ 16:30	LI ZIXUAN	Electrical and Electronic Engineering	Hiroyuki ITO		Low-Power Circuit Design for Tiny Wireless-Powered Multi-Sensing Node
7	16:30 ~ 18:00	Bartels Jim	Electrical and Electronic Engineering	Hiroyuki ITO		Leveraging Synchronization in SNNs and Sensor-Optimized FPGA Implementations for Enhanced Edge-AI
	【Wave】 Date : July 1, 2024 Venue : S9-605					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
1	16:00 ~ 17:30	Zhu Liang	Electrical and Electronic Engineering	Yuya Shoji		Study of all-optical remotely controllable silicon thermo-optic switch
	【Wave】 Date : July 5, 2024 Meeting room #1, second floor, south 3rd building					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
2	9:00 ~ 10:30	Huanqian Xiong	Electrical and Electronic Engineering	Hirokawa		Study of Dual-Polarized Center-Series-Feed Parallel-Plate Waveguide Slot Array Antennas

3	10:45 ~ 12:15	Yaxiang Wu	Electrical and Electronic Engineering	Hirokawa		Study of Slot Array Antennas using Gap Waveguides and Perpendicular Corporate-Feed Parallel Plates
	【Wave】 Date : July 10, 2024 Meeting room #1, second floor, south 3rd building					
4	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
	9:00 ~ 10:30	Baoquan Duan	Electrical and Electronic Engineering	Hirokawa		Study of corporate-feed waveguide slot array antennas for two-dimensional rectangular-coordinate orthogonal multiplexing
5	10:45 ~ 12:15	Ryosuke Hasaba	Electrical and Electronic Engineering	Hirokawa		Study of Wireless Power Transfer and Communication using Electromagnetic Waves for Undersea Vehicles
	【Materials】 Date : July 19, 2024 Venue : EEI bldg. 2F meeting room					
1	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
	17:15 ~ 18:45	Noboru Yamaguchi	Energy	Shinsuke Miyajima		Passivating contacts for high efficiency silicon solar cells fabricated by using ion implantation and sputtered amorphous silicon (イオン注入とスパッタによるアモルファスシリコンを用いた高効率シリコン太陽電池用パッシベーションコンタクト)
2	【Power】 Date : 1st July, 2024 Venue : O-okayama campus S3-201					
	Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title
1	15:30 ~ 16:00	Yifei Cai	Electrical and Electronic Engineering	Akira Chiba		Magnetostriction Effect in Motor Vibration and Acoustic Noise
	16:00 ~ 17:30	Fares El-Faouri	Electrical and Electronic Engineering	Akira Chiba		VIBRATION AND ACOUSTIC NOISE REDUCTION OF SWITCHED RELUCTANCE MOTOR BY ANALYTICAL CURRENT DERIVATION AND RADIAL FORCE SHAPING