

■ Doctoral thesis oral defense (completion expected March 2022)

【Wave】 Date : Dec. 20, 2021 (Mon) Venue : S3-201						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
1	14:45 ~ 16:15	FUKATSU Ryuuichi	Electrical and Electronic Engineering	SAKAGUCHI Kei	How Much Data Rate Is Needed in V2X Communications to Ensure Safe Automated Driving by Cooperative Perception	
2	16:30 ~ 18:00	Yin Yue	Electrical and Electronic Engineering	SAKAGUCHI Kei	Radio Resource Management for mmWave V2V Communications	
【Wave】 Date : 2022/1/5 (Wed) Venue : S3-201						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
3	9:00 ~ 10:30	Ranepura Hewage Neranjith	Electrical and Electronic Engineering	Yuya Shoji	Tetsuya Mizumoto	Study of All-Optical Serial-to-Parallel Converter With Silicon Waveguides
4	10:45 ~ 12:15	Serrano Nunez Mario Alberto	Electrical and Electronic Engineering	Yuya Shoji	Tetsuya Mizumoto	Study of cobalt ferrite thin films on silicon photonic platforms for monolithically integrated optical isolators
5	16:30 ~ 18:00	Toshiya Murai	Electrical and Electronic Engineering	Yuya Shoji	Tetsuya Mizumoto	Study of Waveguide Magneto-optical Memory with Silicon Microring Resonator
【Wave】 Date : January 7, 2022 Venue : Meeting room #1, 2nd floor, South 3rd building, Ookayama campus						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
6	12:35 ~ 14:05	Tuchjuta Ruckkwaen	Electrical and Electronic Engineering	Hirokawa		A Study of Waveguide Slot Array Antennas for Non-far Region Transmission
7	14:20 ~ 15:50	Shuang Ji	Electrical and Electronic Engineering	Hirokawa		Analysis and Design of a Perpendicular-Corporate Feed in Multi-Layer Parallel-Plate Slot Array Antennas
【Wave】 Date : 2022/1/7 Venue : S9-605						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
8	16:00 ~ 17:30	MOATAZ Shaher Anis Mahmoud Eissa	Electrical and Electronic Engineering	Nobuhiko Nishiyama		Study of InP/Si Hybrid DFB Lasers with High quality Si waveguide Fabrication by Electron Beam Lithography
【Wave】 Date : January 11th (Tue.) Venue : Large meeting Room, R2-building						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
9	15:30 ~ 17:05	Shin Takano	Electrical and Electronic Engineering	Hiroyuki Uenohara		Study on compensation performance improvement and low computational load of optical nonlinear compensator
【Wave】 Date : January 11, 2022 Venue : Large Meeting Room, 6th floor, R2, Suzukakedai						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
10	13:30 ~ 15:00	Li, Ruixiao	Electrical and Electronic Engineering	F. Koyama		Study on High-resolution and Compact VCSEL Beam Scanner for 3D Sensing
【Device】 Date : 2021, January 13 Venue : Ookayama S9-605						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
1	13:00 ~ 14:30	Mikhail Bezhko	Electrical and Electronic Engineering	Masahiro Asada		Study on Resonant-Tunneling Diode Terahertz Oscillators with Cylindrical Cavity Resonator

Canceled

【Device】 Date : Dec./28th, 2021 Venue : G2-1004 in Suzukakedai campus						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
2 9:00 ~ 11:00	Kentaro Mori	Electrical and Electronic Engineering	Hitoshi Wakabayashi		Embedded Die and Fan-Out Packaging Technologies Enabling High Density and Reliable 2D/3D Integration for System in Package	
【Device】 Date : Jun./21st, 2022 Venue : G2-501 in Suzukakedai campus						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
3 14:00 ~ 16:00	Masaya Hamada	Electrical and Electronic Engineering	Hitoshi Wakabayashi		2D-Channel FET based on High-Mobility TMDC-Film Formation with PVD Method using Crystal-Quality Improvement Process and Side-Contact Architecture	
4 16:00 ~ 18:00	Takuya Hamada	Electrical and Electronic Engineering	Hitoshi Wakabayashi	Kazuo Tsutsui	Fundamental Technologies for PVD-TMDC Film Based Thermoelectric Generator	
【Device】 Date : Januray 12th, 2022 Venue : Meeting Room 1, Suzukaek Hall						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
5 10:30 ~ 12:00	Jooyoung Pyo	Electrical and Electronic Engineering	Shun-ichiro Ohmi		A study on the Hf-based MONOS nonvolatile memory with HfON tunneling layer for multi-bit/cell operation	
【Device】 Date : January 17tn, 2022 Venue : Meeting Room 1, Suzukake Hall						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
6 10:20 ~ 12:00	Yoshiro Kumagai	Electrical and Electronic Engineering	Masahiro Watanabe		Study on Si/CaF ₂ resonant tunneling structures for nonvolatile memory applications	Canceled
【Device】 Date : 2022 January 19th (Wed.) Venue : Ookayama South 9 Bldg. 6F 605						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
7 16:00 ~ 17:30	Daisuke Nishitani	Electrical and Electronic Engineering	Mutsuko Hatano	Takayuki Iwasaki	Diamond quantum sensors for biomagnetic field sensing	Canceled
【Power】 Date : 27th December, 2021 Venue : S3-201						
Presentation time	Name	Graduate Major	Supervisor	Co-supervisor	Doctoral thesis title	
1 13:30 ~ 15:00	Nikola Krneta	Electrical and Electronic Engineering	Makoto Hagiwara		Study of Hardware Design and Control of H-Bridge Cell Based HVDC Circuit Breaker Test Benches	Canceled
2 15:15 ~ 16:45	Kazuaki Tesaki	Electrical and Electronic Engineering	Makoto Hagiwara		Study of Non-isolated Bidirectional DC-DC Converter Based on Switched-Capacitor Converter in terms of Control and Efficiency/Power Density Evaluations	

※ 【Circuit & Material】 Not Applicable

2021.12.9
2022.1.7
2022.1.13