Division of Electrical, Information and	Research	High-speed Electronics	Lab. ID
5 5	field		EI10
Laboratory web site	http://hslab.	.w3.kanazawa-u.ac.jp/index.html	
Research subjects			
Silicon Photonics: We are developing and evaluating prototype optical devices (high-speed photodetectors, multifunctional optical waveguides, etc.) using silicon LSI micro technology.			
Optical wireless power transfer: We are developing prototype optical wireless power transfer systems using			
semiconductor lasers and solar cells.			
Optical computing: High-speed, low-power computing using optical parallelism and interferometry is being measured using devices based on the above silicon photonics technology.			
Quantum sensing: We are developing a high-sensitivity sensing system for magnetic field and temperature using the optically detected magnetic resonance (ODMR) method at the Diamond NV Center.			
Master/Doctor course: Education policy, curriculum, typical activity in the laboratory			
Master course students: The research subject is decided by discussion with supervisor.			
Doctor course students: Students find the esearch subject by themselves.			
All students: Journal intoroduction (bimonthly), Progress report (weekly), Presentation at a conference, Writing the journal paper.			
Journal paper.			
Daily life in the laboratory, etc.			
All members decide the schedule by themselves.			
They must attend the progress report and the journal introduction.			
Message or comments by the laboratory faculty staffs			
We hope for active students who like opoelectronics.			

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Laboratory mail address