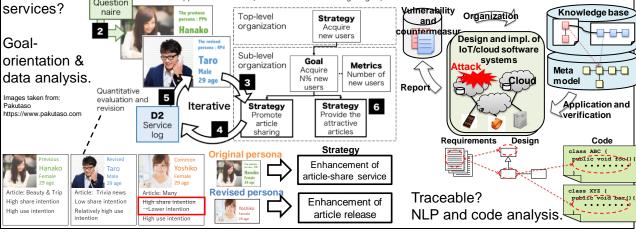
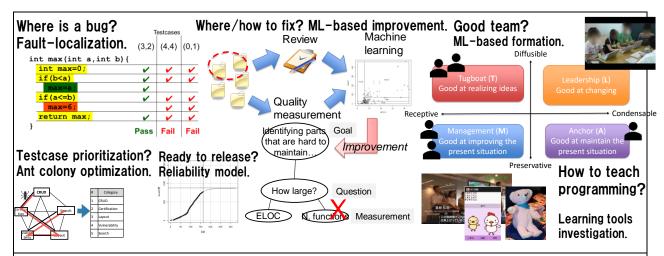
CSCE Dept Lab Introduction For Academic Vear 2021

CSCE Dept. Lab. Introduction For Academic Year 2021		
Lab. Name	Washizaki lab Reliable Software Engineering (63-5F-0503, 0523)	
	e-mail: washizaki@waseda.jp <u>http://www.washi.cs.waseda.ac.jp</u> @Hiro_Washi	
	Please visit to our laboratory after the lab. assignment is completed.	
Research Areas: Smart Systems and Software Engineering for Business and Society		
 Big challenge with industry and international collaborators Targeting actual industrial code such as program embedded in KOMATSU loading shovels and FUJITSU smartphones Contributing to actual services and businesses such as Yahoo Japan crowd sourcing service 		 State-of-the-art Al&IoT and software engineering research Cooperation between developers and Al such a Program Repair by Machine Learning Research projects based on various platforms including Cloud and IoT such as cloud security and privacy metamodel
 Excellent environment Get hired as Research Support Staffs Master course students staying in Canada International conference visits 		 Good careers after graduation Job offers dedicated to lab graduates Practical research topics useful for the future career
Research Topics		
 Machine Learning and JSPs): ML for 	n. Major projects funded b <u>and Software Engine</u> software requirements, c	(e) empirical studies on agile processes and by government and industry include: ering with Big Data Analysis quality, ML design patterns. Graduate students Concordia U. and Polytech Montreal.
IoT and Software Engineering (funded by TTC): IoT design patterns and security patterns		
 Goal-oriented Quantitative Measurement and Management Research (supported by industry): Alignment of organizational goals, strategies and requirements 		
	5	rants-in-Aid for Scientific Research (B)): Tracing
 <u>Cloud and IoT Security and Privacy Metamodel</u> (funded by SCAT): Developing metamodel for organizing knowledge of security and privacy 		
	Buide of Programming for	
	hitiate Initiate (Construct GQM) Tepretos Press, PP Hanako	Strategy Acquire
Goal- orientation & data analysis. Quantitative evaluation and	Taro Male 29 age 5 Iterative Sub-level organization 3 Sub-level organization 3 Strategy	
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Lab. Members: 1 Professor, 1 Guest Associate Professor, 1 Lecturer, 4 Doctor Students, 11+ Master Students incl. students from China

Lab. Meetings: There are weekly lab meetings together with Fukazawa lab. and weekly group meetings. Moreover, students often form teams to conduct projects such as participation in robotic software design contest and developing AI programming contest platform.



Events: [Apr] Welcome Party, [Aug-Sep] Summer Camp incl. Thesis Intermediate Presentation, [Dec-Jan] Year-end and New Year's party, [Feb] Thesis Defense, [Mar] Farewell Party



Open House: Mar 22nd 15:00-18:30, Mar 23rd, 24th, 25th 10:00-18:00

Job Opportunity and Overseas Visit:

Since most of our projects are funded, <u>students are basically eligible to get hired as</u> <u>Research Support Staffs</u> in the laboratory by conducting research in the project room. Graduate students can <u>visit Canada for joint research with Concordia U. and Polytech</u> <u>Montreal</u> in the area of Machine Learning and Software Engineering.

Vision 2021

Having the vision <u>"Smart systems and software engineering for business and society by</u> <u>connecting AI, IoT and software engineering</u>", we push forward with research on novel and actionable systems and software engineering methods to contribute to software and systems engineering industry and academia in collaboration with 10+ local and global partners including <u>Fujitsu, Hitachi, Komatsu, NEC, Toshiba, e-Seikatsu, GAIO, Toshiba, Concordia</u> <u>University, Polytechnique de Montreal and Florida Atlantic University</u>.

As the <u>IEEE Computer Society Vice President for Professional and Educational</u> <u>Activities 2021</u>, I will lead professional activities in terms of bodies of knowledge, education and training and business developments in relation to the lab activities and achievements.



Like previous years, we expect many new students coming from various countries. Our team is growing and having more diversity in national origins, backgrounds and mindsets. Such diversity contributes to our team in various aspects such as creativity to advance the above-mentioned projects and professional contributions. We welcome your joining of our team!

Hironori Washizaki