## List of Dissertation Abstract (Information Media and Environment Sciences)

Name	Supervisor	Title	Abstract
Ying TIE			While IoT has the advantage of creating new value in society, there is a safety problem. Given
	Tsutomu	A Study on Observation and	that IoT cyber-attacks are getting worse, it is prudent to analyze IoT botnet's current state and
	MATSUMOTO	Analysis of Cyber Attack in IoT	behavior. Thus, this paper describes the study on observation and analysis of IoT cyber-attacks
			to come up with countermeasures against it.
			This thesis particularly focuses on two security issues on key generation and privacy
			preserving in resource-constrained devices. The empirical results showed that Peres's extractor
		A Study on Implementation and	is much better than Elias's extractor for given finite input sequences under a very similar
Amonrat	Junji	Analysis of Cryptographic	running time, therefore, Peres's extractor would be more suitable to generate uniformly
PRASITSUPPAROTE	SHIKATA	Algorithms for Resource-	random sequences in key generation process for resource-constrained devices. Moreover, this
		constrained Devices	work expressed the practical feasibility of FHE in resource-constrained devices for healthcare
			systems, both HElib and SEAL can be used on resource-constrained devices in general setting,
			however, SEAL would be more suitable for practical use from this analysis.
Maashira	Katsupori		To develop a surface appearance simulator by using a projective Augmented Reality, we
			proposed an online method for estimating the projected surface reflectance precisely. Next, we
		A Study on Adaptive Visual	found that the blurring of projected images is one of the critical factors of the judgement
		Reproduction of Surface Using	whether it is a projection or an actual surface. In addition, we proposed a new method which
MSHIZAWA	OKAJIMA	Projective Augmented Reality	can control the spectral distribution of lights by considering ipRGCs and rods as well as cones.
			Finally, we conducted crossmodal experiments on food perception, and showed that we can
			modulate the taste of foods by using the system we developed.