

“Secret Sharing for Dependability, Usability and Security of Network Storage and Its Mathematical Modeling”

Date/Time			Lectures				
Date	Start	End	No.	Event/Lecturer	Chair	Affiliation	Title
Sep 5	13:50	14:00	*	Opening		—	—
	14:00	14:40	1	Yvo DESMEDT	MOROZOV	The University of Texas at Dallas	Applications of Secret Sharing: Beyond Storage Service
	14:40	15:00	*	Coffee Break		—	—
	15:00	15:30	2	Satoshi OBANA	XU	Hosei University	Cheating Detectable Secret Sharing Scheme Supporting Finite Fields of Characteristic Two
	15:30	16:00	3	Hiroshi DOI	XU	Institute of Information Security	Fast (t, k, n) Hierarchical Secret Sharing Schemes
	16:00	16:20	*	Coffee Break		—	—
	16:20	16:50	4	Ryo KIKUCHI	ARAKI	NTT CORPORATION	SHSS: “Super High-speed (or, Sugoku Hayai) Secret Sharing” library for object storage systems
	16:50	17:10	*	Photo Session		—	—
	17:45	20:00	*	Banquet		—	—
Sep 6	9:30	9:40	*	Opening		—	—
	9:40	10:10	5	Rocki H. Ozaki	SUGA	Real Technology Inc.	Unequal Secret Sharing Scheme – a proposal
	10:10	10:40	6	Keiichi IWAMURA	SUGA	Tokyo University of Science	Integration of IoT and big data security by using asymmetric secret sharing scheme
	10:40	11:00	*	Coffee Break		—	—
	11:00	11:30	7	Jon-Lark KIM	ROY	Sogang University	Secret sharing schemes based on additive codes
	11:30	12:10	8	Arkadii SLINKO	ROY	The University of Auckland	Classification of Ideal Secret Sharing Schemes with Weighted Access Structures
	12:10	14:20	*	Lunch (Self)		—	—
	14:30	15:00	9	Yuichi KOMANO	KIKUCHI	TOSHIBA CORPORATION	Toward Highly Secure Metering Data Management in the Smart Grid
	15:00	15:20	*	Coffee Break		—	—
	15:20	15:50	10	Chi CHENG	ANADA	Kyushu University	Homomorphic authentication schemes for network coding
	15:50	16:30	11	Patrick P. C. LEE	ANADA	The Chinese University of Hong Kong	Unifying Reliability, Security, and Deduplication in Cloud Storage
	16:30	17:15	*	(Panel Discussion) DESMEDT, KIM, LEE, OZAKI, OBANA	MOROZOV	—	Secret Sharing in Real-Life Distributed Systems: Perspectives and Challenges
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Sep 7	9:30	9:40	*	Opening		—	—
	9:40	10:10	12	Partha Sarathi ROY	CHENG	Kyushu University	On The Robustness of Secret Sharing Schemes
	10:10	10:40	13	Rui XU	CHENG	KDDI R&D Laboratories, Inc.	Secret Sharing against Cheaters
	10:40	11:10	14	Toshinori ARAKI	CHENG	NEC Corporation	High-Throughput Secure Computation using bit slicing
	11:10	11:30	*	Coffee Break		—	—
	11:30	12:00	15	Yuji SUGA	OKUMURA	Internet Initiative Japan Inc.	XOR-based $(2, 2^m)$ threshold schemes
	12:00	12:10	*	Closing		—	—