

VIASM WORKSHOP TECHNICAL PROGRAM

Algorithmic and combinatorial methods on discrete structures , Tuần Châu, 19-21, April 2019

19:00	Thursday 18th April 2019 Departure to Tuan Chau, Ha Long at 19:00 at VIASM, Hanoi University of Science and Technology
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Friday 19th April 2019

8:30	REGISTRATION Venue: BT41, Tuan Chau, Ha Long
8:45	CONFERENCE OPENING Group Photo
9:00	KEYNOTE I <i>Invited speaker: Prof. Brigitte Jaumard, Concordia University, Canada</i> 5G Networks: Planning, Design and Optimization CHAIR: Truong Thi Dieu Linh, Hanoi University of Science and Technology
10:00	COFFEE BREAK
	SESSION 1: NETWORK OPTIMISATION CHAIR: Ngo Hong Son (Phenikaa University, Vietnam)
10:20	Efficient Make Before Break Capacity Defragmentation Duong Quang Huy, Concordia University, Canada
10:45	Optimization of Free Space Optical Networks Truong Thi Dieu Linh, Hanoi University of Science and Technology Vu Pham Minh Hien, Vietnam Maritime University
11:10	Towards a Smart SDN-based CDN architecture Tran Hai Anh, Hanoi University of Science and Technology
11:45	LUNCH
	SESSION 2: NETWORK OPTIMISATION CHAIR: Brigitte Jaumard, Concordia University
13:30	Online Load Balancing for Network Functions Virtualization Pham Tuan Minh, Ngo Hong Son, Phenikaa University
13:55	Combinatorial optimization in transportation and logistics: practical challenges Pham Quang Dung, Hanoi University of Science and Technology Nguyen Van Son, Academy of Cryptography Techniques
14:20	To minimize energy consumption in heterogeneous wireless communication Nguyen Duc Toan, Hanoi University of Science and Technology
14:45	COFFEE BREAK
15:00	SESSION 3: Discussions for joint research topics CHAIR: Truong Thi Dieu Linh, Hanoi University of Science and Technology
19:00	DINNER

Saturday 20th April 2019

8:45	REGISTRATION Venue: BT41, Tuan Chau, Ha Long
9:00	KEYNOTE II <i>Invited speaker: Vincent Vajnovszki, Université de Bourboque</i> A generalization of a descent set reversing bijection from permutations to words and some consequences CHAIR: Asep Juarna (Gunadarma University)
10:00	COFFEE BREAK
	SESSION 4: DISCRETE MATHEMATICS CHAIR: Le Anh Vinh, The Vietnam National Institute of Educational Sciences
10:20	Some enumeration problems on pattern avoiding permutations and on words. Tran Thi Thu Huong, Vietnamese-German University
10:45	Gray Code order relation and exhaustive generation for bounded restricted growth functions. Ahmad Sabri, Gunadarma University
11:10	Generation of Gray Codes for Some Pattern-Avoiding Permutations Using Combinatorial Isomorphisms Techniques. Asep Juarna, Gunadarma University
11:45	LUNCH
	SESSION 5: DISCRETE MATHEMATICS CHAIR: Vincent Vajnovszki, Université de Bourboque
13:30	Some recent algorithms on special graphs Do Phan Thuan, Pham Ba Thai, Than Viet Cuong, Hanoi University of Science and Technology
13:55	Hurwitz numbers, counting maps and constellations Nguyen Viet Anh, Hanoi University of Science and Technology

14:20	Le Anh Vinh, The Vietnam National Institute of Educational Sciences
14:45	COFFEE BREAK
15:00	SESSION 6: <i>Discussions for joint research topics</i> CHAIR: Do Phan Thuan, , Hanoi University of Science and Technology
19:00	DINNER

Sunday 21th April 2019	
8:00	EXCURSION TO HA LONG BAY Depart at 6:30 AM at the villa
15:00	COFFEE BREAK
15:30	SESSION 7: <i>Discussions for joint research topics</i> <i>Closing ceremony</i> CHAIR: Truong Thi Dieu Linh, Hanoi University of Science and Technology
18:00	Departure to Hanoi

NOTE:

No registration fee

Fees for 3 dinners and the excursion is around 1.500.000 VND ~ 70 USD (Optional). Pay at the registration.