

Workshop "International Workshop on Optimization, Optimal Control Theory and Applications March 2025"

Thursday March 27th, 2025

Location: BK Alumni, Hanoi University of Science and Technology

	Time	Content
Morning Session	8:00 - 8:30	Reception
	8:30 - 8:45	Opening ceremony
	Session 1	Chair: Doan Duy Trung
	8:45 - 9:15	Carlos Escudero Liebana, <u>Felipe Ignacio Lara Obreque</u> , and Miguel Angel Sama Meige: "Optimal Trade Characterizations in Multi-Asset Crypto Financial Markets"
	9:15 - 9:45	Vladimir Veliov and <u>Phan Tu Vuong</u> : "Gradient methods on strongly convex feasible sets and optimal control of affine systems"
	9:45 - 10:15	<u>Vu Huu Nhu</u> : "Optimal Control of an Elliptic Equation with Dirac Measure Data"
	10:15 - 10:30	Photo session
	10:30 - 10:45	Coffee break
	Session 2	Chair: Phan Tu Vuong
	10:45 - 11:15	Bui Trong Kien and <u>Nguyen Quoc Tuan</u> : "Second-order Necessary and Sufficient Optimality Conditions for Discrete Semilinear Elliptic Optimal Control Problems"
	11:15 - 11:45	<u>Truong Tuan Khang</u> and Tran Ngoc Thang: "A gradient descent approach for multi-objective picture-fuzzy stochastic programming problems"
	12:00 - 14:00	Lunch

	Time	Content
Afternoon session	Session 3	Chair: Ta Anh Son
	14:00 - 14:30	Asen Dontchev, Ilya Kolmanovsky, Mikhail Ivanov Krastanov, Vladimir Veliov, <u>Phan Tu Vuong</u> : "Approximating optimal finite horizon feedback by model predictive control"
	14:30 - 15:00	Bui Trong Kien and <u>Nguyen Quoc Tuan</u> : "Error estimates for approximate solutions to semilinear elliptic optimal control problems"
	15:00 - 15:30	Coffee break
	Session 4	Chair: Vu Huu Nhu
	15:30 - 16:00	<u>Khuat Quang Thanh</u> : "Instability of solutions to double phase problems involving the Grushin operator and exponential nonlinearity"
	16:00 - 16:30	<u>Huynh Khanh</u> and Bui Trong Kien: "On the regularity of multipliers and second-order optimality conditions of KKT-type for semilinear parabolic control problems"
	16:30 - 16:45	Closing ceremony