

Timetable

School - Monday, March 10, 2025

Venue: The Laurent Schwartz Lecture Hall - VIASM - Hybrid Meeting

8:00-8:20	Registration		
8:20-8:30	Opening Ceremony		
	Speaker	Title	Chair
8:30-9:15	Boris S. Mordukhovich , Wayne State University, USA	<i>Convergence of Descent Methods under Polyak-Lojasiewicz-Kurdyka Properties</i>	Nicolas Hadjisavvas , University of the Aegean, Greece
9:15-10:00	Sorin-Mihai Grad , École Nationale Supérieure de Techniques Avancées, ParisTech, France	<i>Strongly Quasiconvex Functions: What We Know (so far)</i>	
10:00-10:30	Coffee Break and Photo		
10:30-11:15	Pham Duy Khanh , Ho Chi Minh City University of Education, Vietnam	<i>Fundamental Convergence Analysis of Sharpness-Aware Minimization</i>	Bui Trong Kien , Institute of Mathematics, VAST, Vietnam
11:15-12:00	Alexander Kruger , Ton Duc Thang University, Vietnam	<i>About Error Bounds</i>	
12:00-14:00	Lunch break		
14:00-14:45	Hoai An Le Thi , Université de Lorraine, France	<i>How Difference of Convex Functions Algorithm can Enhance AI Solutions</i>	Riccardo Cambini , University of Pisa, Italy
14:45-15:30	Phan Tu Vuong , University of Southampton, UK	<i>The Boosted Difference of Convex Functions Algorithm</i>	
15:30-16:00	Coffee Break		
16:00-16:45	Chong Li , Zhejiang University, China	<i>Convergence Analysis for CQ Algorithm for (Possibly Inconsistent) Split Feasibility Problems in Hilbert Spaces</i>	Felipe Ignacio Lara Obreque , University of Tarapaca, Chile

16:45-17:30	Pham Ky Anh, Hanoi University of Science, Vietnam	<i>Regularized Neural Network for Monotone General Variational Inequalities</i>	
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School - Tuesday, March 11, 2025

Venue: The Laurent Schwartz Lecture Hall - VIASM

	Speaker	Title	Chair
8:30-9:15	Nicolas Hadjisavvas, University of the Aegean, Greece	On the General Form of Bimonotone Operators	César Gutiérrez, University of Valladolid, Spain
9:15-10:00	Didier Aussel, University of Perpignan, France	Single-Leader-Follower Games: Current State of the Art and Open Questions	
10:00-10:30	Coffee Break		
10:30-11:15	Alfredo Iusem, Getulio Vargas Foundation, Brazil	On Proximal Algorithms with Inertial Effects beyond Monotonicity	Geovani Grapiglia, UCL, Louvain-La-Neuve, Belgium
11:15-12:00	Jein-Shan Chen, National Taiwan Normal University, Taiwan	Novel Constructions for Closed Convex Cones through Inequalities and Support Functions	
12:00-14:00	Lunch break		
14:00-14:45	Samir Adly, University of Limoges, France	Understanding Acceleration Phenomena in First-Order Optimization: a Historical Perspective	Do Sang Kim, Pukyong National University, Korea
14:45-15:30	Pham Tien Son, Dalat University, Vietnam	Representations of Non-Negative Functions and Global Optimality Conditions	
15:30-16:00	Coffee Break		
16:00-16:45	Riccardo Cambini, University of Pisa, Italy	On Rank-Two Programs and Their Solution Methods	Nguyễn Văn Tuyên, Hanoi Pedagogical University 2, Vietnam
16:45-17:30	Xiaoqi Yang, Hong Kong Polytechnic University, Hong Kong	Global Lipschitz Continuity of Solutions in Sparse Optimization Problems	

Workshop - Wednesday, March 12, 2025

Venue: The Laurent Schwartz Lecture Hall - VIASM

	Speaker	Title	Chair
8:30-9:10	Juan E. Martinez-Legaz, Autonomous University of Barcelona, Spain	Dual Characterizations of Three Distance Functions	Yu-Hong Dai, Chinese Academy of Sciences, China
9:10-09:50	Christiane Tammer, Martin-Luther University Halle, Germany	Necessary Conditions for Approximate Solutions of Vector and Set Optimization Problems with Variable Domination Structure	
09:50-10:30	Coffee Break and Photo		
10:30-12:00	Talks in Parallel Sessions		

Session A1 (The Laurent Schwartz Lecture Hall)

	Speaker	Title	Chair
10:30-11:00	Messaoud Bounkhel, College of Sciences, King Saud University	<i>V-Proximal Analysis in Smooth Banach Spaces</i>	Samir Adly, University of Limoges, France
11:00-11:30	Bui Trong Kien, Institute of Mathematics, VAST, Vietnam	<i>Second-Order Optimality Conditions for Time-Optimal Control Problems Governed by Semilinear Parabolic Equations</i>	
11:30-12:00	Vu Huu Nhu, Phenikaa University, Vietnam	<i>Optimal Control of a Two-dimensional Elliptic Equation with Exponential Nonlinearity and Dirac Measure Data</i>	
12:00-14:00	Lunch break		

Session B1 (Room C101)

	Speaker	Title	Chair
10:30-11:00	César Gutiérrez, University of Valladolid, Spain	<i>Vector Solutions of Uncertain Convex Multiobjective Optimization Problems</i>	Pham Duy Khanh, Ho Chi Minh City University of Education, Vietnam
11:00-11:30	Duong Thi Viet An, Thai Nguyen University of Sciences, Vietnam	<i>On Second-Order Optimality Conditions for $C^{1,1}$ Optimization Problems via Lagrangian Functions</i>	
11:30-12:00	Vo Thanh Phat, University of North Dakota, USA	<i>Coderivative-Based Newton Methods in Structured Nonconvex and Nonsmooth Optimization</i>	
12:00-14:00	Lunch break		

Session C1 (Room C102)

	Speaker	Title	Chair
10:30-11:00	Narin Petrot, Naresuan University, Thailand	<i>Distributed Conjugate Gradient Method for Solving Variational Inequality Problems with Common Fixed-Point Constraints</i>	Jein-Shan Chen, National Taiwan Normal University, Taiwan
11:00-11:30	Rabian Wangkeeree, Naresuan University, Thailand	<i>Smooth Support Vector Machines with Rescaled Generalized Pinball Loss for Enhanced Classification Performance</i>	
11:30-12:00	Vu Thi Huong, Institute of Mathematics, VAST, Vietnam, and Zuse Institute	<i>Fuzzy Clustering Scientific Articles via Constrained Optimization: Potentials and Challenges</i>	
12:00-14:00	Lunch break		

Venue: The Laurent Schwartz Lecture Hall - VIASM

	Speaker	Title	Chair
14:00-14:40	Michel Théra, University of Limoges, France	Explicit Convergence Rate of the Proximal Point Algorithm under R -Continuity	Xiaoqi Yang, Hong Kong Polytechnic University, Hong Kong
14:40-15:20	Yu-Hong Dai, Chinese Academy of Sciences, China	Optimization with Least Constraint Violation	
15:20-15:50	Coffee Break		
15:50-17:30	Talks in Parallel Sessions		

Session A2 (The Laurent Schwartz Lecture Hall)

	Speaker	Title	Chair
15:50-16:25	Do Sang Kim , Pukyong National University, Korea	<i>Optimality Conditions at Infinity for Nonsmooth Minimax Programming Problems with Applications</i>	Chong Li , Zhejiang University, China
16:25-17:00	Gue Myung Lee , Pukyong National University, Korea	<i>Optimality Conditions for Convex Optimization Problems Involving Integral Functions</i>	
17:00-17:30	Bui Van Dinh , Le Quy Don Technical University, Vietnam	<i>The Inertial Type Algorithms for Solving Nonmonotone Equilibrium Problems</i>	

Session B2 (Room C101)

	Speaker	Title	Chair
15:50-16:25	Nguyen Thi Thu Thuy , Hanoi University of Science and Technology, Vietnam	<i>Relaxed Two-Step Inertial Method for Solving a Class of Split Variational Inequality Problems with Application to Traffic Analysis</i>	Xiaoqi Yang , Hong Kong Polytechnic University, Hong Kong
16:25-17:00	Cong Sun , Beijing University of Post and Telecommunications, China	<i>Cyclic Stochastic Gradient Method</i>	
17:00-17:20	Tran Sy Toan , Hanoi University of Science and Technology, Vietnam	<i>A New Iterative Method for Solving a Class of Split Variational Inequality Problems</i>	

Session C2 (Room C102)

	Speaker	Title	Chair
15:50-16:25 (online)	Michel De Lara , École Nationale des Ponts et Chaussées, France	<i>Conditional Infimum, Hidden Convexity and the S-Procedure</i>	Narin Petrot , Naresuan University, Thailand
16:25-17:00	Truong Xuan Duc Ha , Thang Long University, Vietnam	<i>Strict Efficiency in Set Optimization Studied with the Set Approach</i>	
17:00-17:30	Miguel Sama , Universidad Nacional de Educación a Distancia, Spain	<i>An Abstract Framework for Error Estimates in State-Constrained Elliptic Multiobjective Control Problems</i>	

Workshop - Thursday, March 13, 2025

Venue: The Laurent Schwartz Lecture Hall - VIASM

	Speaker	Title	Chair
8:30-9:15	Boris S. Mordukhovich , Wayne State University, USA	<i>Recent Applications of Variational Analysis</i>	Christiane Tammer , Martin-Luther University Halle, Germany
9:15-9:55	Geovani Grapiglia , UCL, Louvain-La-Neuve, Belgium	<i>TRFD: A Derivative-Free Trust-Region Method Based on Finite Differences for Composite Nonsmooth Optimization</i>	
9:55-10:20	Coffee Break		
10:20-12:00	Talks in Parallel Sessions		
12:00-13:30	Lunch break		
13:30-17:30	City Tour		
17:45-19:00	Music Concert (at VIASM)		
19:00-21:00	Conference Dinner (at VIASM)		

Session A3 (The Laurent Schwartz Lecture Hall)

	Speaker	Title	Chair
10:20-10:55	Suthep Suantai , Chiang Mai University, Thailand	<i>Convex Bilevel Optimization Problems for Machine Learning with Applications to Data Prediction and Classification</i>	César Gutiérrez , University of Valladolid, Spain
10:55-11:30	Nguyen Huu Tron , Quy Nhon University, Vietnam	<i>Coincidence and Fixed Points of Set-Valued Mappings via Regularity in Metric Spaces</i>	
11:30-12:00	Phan Thanh An , Ho Chi Minh City University of Technology, Vietnam	<i>A New Width Function for Non-Convex Compact Sets and the Corresponding Crack Width Measuring Device</i>	

Session B3 (Room C101)

	Speaker	Title	Chair
10:20-10:55	Nguyen Nang Tam , Duy Tan University, Vietnam	<i>Some New Results on Solution Existence and Stability of Polynomial Optimization Problems</i>	Sebastian Pokutta , Zuse Institute Berlin, Germany
10:55-11:30	Liguo Jiao , Northeast Normal University, China	<i>SPLD Polynomial Optimization and (Sparse) Bounded Degree SOS Hierarchies</i>	
11:30-12:00	Tran Van Nghi , Hanoi Pedagogical University 2, Vietnam	<i>On the Existence of Solutions and the Solution Stability in Nonsmooth Vector Optimization</i>	

Session C3 (Room C102)

	Speaker	Title	Chair
10:20-10:55	Carlos Escudero , Distance Education National University, Spain	<i>Evaluating a Financial Portfolio in terms of Time</i>	Rabian Wangkeeree , Naresuan University, Thailand
10:55-11:30	Le Hai Yen , Institute of Mathematics, VAST, Vietnam	<i>Cutting Projection Algorithms for Nonmonotone Quasiconvex Equilibrium Problems</i>	
11:30-12:00 (online)	Yekini Shehu , Zhejiang Normal University, China	<i>Three-Operator Reflected Forward-Backward Splitting Algorithm with Double Inertial Effects</i>	

Workshop - March 14, 2025; Friday

Venue: The Laurent Schwartz Lecture Hall - VIASM

	Speaker	Title	Chair
8:30-9:15	Abderrahim Jourani , Université de Bourgogne, Dijon, France	<i>Desingularizing Functions in Convex Programming and an Inexact Descent Method</i>	Juan Enrique Martinez-Legaz , Autonomous University of Barcelona, Spain
Venue: Foreign Trade University			
9:15-10:00	Sebastian Pokutta , Zuse Institute Berlin, Germany	<i>The Colorful World of Optimization</i> <i>Note: Presentation at the Foreign Trade University - 10 minutes walking distance from VIASM (zoom attendance at VIASM)</i>	Pham Tien Son , Dalat University, Vietnam
10:00-10:30	Coffee Break		
10:30-12:10	Talks in Parallel Sessions		

Session A4 (The Laurent Schwartz Lecture Hall)

	Speaker	Title	Chair
10:30-11:00	Nguyen Thi Van Hang, Institute of Mathematics, VAST, Vietnam	Convergence of Augmented Lagrangian Methods for Composite Optimization Problems	Alexander Kruger, Ton Duc Thang University, Vietnam
11:00-11:30	Nguyen Ngoc Luan, Hanoi National University of Education, Vietnam	Properties of Generalized Polyhedral Convex Multifunctions	
11:30-11:50	Dinh Van Tiep, Thai Nguyen University of Technology, Vietnam	A Riemannian Optimization Method on the Indefinite Stiefel Manifold	
11:50-12:10	Kasamsuk Ungchittrakool, Naresuan University, Thailand	Enhancing Image Restoration Efficiency via Hybrid Moving-Point Projection Techniques	
12:10-14:00	Lunch break		

Session B4 (Room C101)

	Speaker	Title	Chair
10:30-10:50 (online)	Monirul Islam, Aligarh Muslim University, Aligarh, India	<i>Coincidence Theorem on Hadamard Manifolds with Applications</i>	Gue Myung Lee, Pukyong National University, Korea
10:50-11:20	Duong Thi Kim Huyen, Phenikaa University, Vietnam	<i>A New Minimax S-Lemma and Applications</i>	
11:20-11:40 (cancelled)	Pham Thanh Duoc, Can Tho University, Vietnam	<i>Convergence of Solutions to Consumer Problems</i>	
11:40-12:00 (online)	Waseem Asghar, Government College University Lahore, Pakistan	<i>Inertial and Self-adaptive Algorithms for Approximation of Solution of Variational Inclusions and Applications</i>	
12:00-14:00	Lunch break		

Session C4 (Room C102)

	Speaker	Title	Chair
10:30-10:50 (online)	Titus Pinta, ENSTA, France	<i>A Newton-type Method for Multicriteria Optimization</i>	Phan Tu Vuong, University of Southampton, UK
10:50-11:10	Hardeep Singh Saluja, Aligarj Muslim University, India	<i>Dynamical Approach for Fixed Points of Strictly Pseudocontractive Mappings</i>	
11:10-11:30	Parin Chaipunya, King Mongkut’s University of Technology Thonburi, Bangkok, Thailand	<i>A Bilevel Game whose Followers Play an Abstract Economy</i>	
11:30-11:50	Nguyen Hong Nhung, HCMC University of Technology and Education, Ho Chi Minh City, Vietnam	<i>The Projected Heavy-Ball Method for Quasar-Monotone Variational Inequalities and Quasar-Convex Optimization</i>	
11:50-12:10	Priyanka Mishra, Pranveer Singh Institute of Technology Kanpur, Kanpur, U.P., India	<i>On the Equivalence between Non-Smooth Interval-Valued Vector Optimization Problems and Generalized Vector Variational Inequalities</i>	
12:10-14:00	Lunch break		

Venue: The Laurent Schwartz Lecture Hall - VIASM - Online + Offline

	Speaker	Title	Chair
14:00-14:40	Poom Kumam King Mongkut’s University of Technology Thonburi, Thailand	<i>Approximating Solutions to Optimization Problems Beyond Normed Linear Spaces</i>	Abderrahim Jourani , Université de Bourgogne, Dijon, France
14:40-15:20	Laurent Condat , King Abdullah University of Sciences and Technology, Saudi Arabia	<i>Communication-Efficient Distributed Optimization Algorithms</i>	
15:20-15:50	Coffee Break		
15:50-17:00	Talks		
	Speaker	Title	Chair
15:50-16:25	Zhou Wei , Hebei University, China	<i>Stability of Error Bounds for Convex Inequalities Systems</i>	Michel Théra , University of Limoges, France
16:25-17:00	Luiz-Rafael Santos , Federal University of Santa Catarina, Brazil	<i>Circumcenters Tools for the Convex Feasibility Problem: Theory and Applications</i>	

March 15, 2025; Saturday

Excursions and scientific exchanges