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

16:45-17:30	**Pham Ky Anh**, Hanoi University of Science, Vietnam	*Regularized Neural Network for Monotone General Variational Inequalities*	

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

Session B1 (Room C101)

	Speaker	Title	Chair
10:30-11:00	**César Gutiérrez**, University of Valladolid, Spain	*Vector Solutions of Uncertain Convex Multiobjective Optimization Problems*	**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	*On Second-Order Optimality Conditions for $C^{1,1}$ Optimization Problems via Lagrangian Functions*	
11:30-12:00	**Vo Thanh Phat**, University of North Dakota, USA	*Coderivative-Based Newton Methods in Structured Nonconvex and Nonsmooth Optimization*	
12:00-14:00	**Lunch break**		

Session C1 (Room C102)

	Speaker	Title	Chair
10:30-11:00	**Narin Petrot**, Naresuan University, Thailand	*Distributed Conjugate Gradient Method for Solving Variational Inequality Problems with Common Fixed-Point Constraints*	**Jein-Shan Chen**, National Taiwan Normal University, Taiwan
11:00-11:30	**Rabian Wangkeeree**, Naresuan University, Thailand	*Smooth Support Vector Machines with Rescaled Generalized Pinball Loss for Enhanced Classification Performance*	
11:30-12:00	**Vu Thi Huong**, Institute of Mathematics, VAST, Vietnam, and Zuse Institute	*Fuzzy Clustering Scientific Articles via Constrained Optimization: Potentials and Challenges*	
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	*Optimality Conditions at Infinity for Nonsmooth Minimax Programming Problems with Applications*	**Chong Li**, Zhejiang University, China
16:25-17:00	**Gue Myung Lee**, Pukyong National University, Korea	*Optimality Conditions for Convex Optimization Problems Involving Integral Functions*	
17:00-17:30	**Bui Van Dinh**, Le Quy Don Technical University, Vietnam	*The Inertial Type Algorithms for Solving Nonmonotone Equilibrium Problems*	

Session B2 (Room C101)

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

Session C2 (Room C102)

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

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	*Recent Applications of Variational Analysis*	**Christiane Tammer**, Martin-Luther University Halle, Germany
9:15-9:55	**Geovani Grapiglia**, UCL, Louvain-La-Neuve, Belgium	*TRFD: A Derivative-Free Trust-Region Method Based on Finite Differences for Composite Nonsmooth Optimization*	
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	*Convex Bilevel Optimization Problems for Machine Learning with Applications to Data Prediction and Classification*	**César Gutiérrez**, University of Valladolid, Spain
10:55-11:30	**Nguyen Huu Tron**, Quy Nhon University, Vietnam	*Coincidence and Fixed Points of Set-Valued Mappings via Regularity in Metric Spaces*	
11:30-12:00	**Phan Thanh An**, Ho Chi Minh City University of Technology, Vietnam	*A New Width Function for Non-Convex Compact Sets and the Corresponding Crack Width Measuring Device*	

Session B3 (Room C101)

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

Session C3 (Room C102)

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

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	*Desingularizing Functions in Convex Programming and an Inexact Descent Method*	**Juan Enrique Martinez-Legaz**, Autonomous University of Barcelona, Spain
Venue: Foreign Trade University			
9:15-10:00	**Sebastian Pokutta**, Zuse Institute Berlin, Germany	*The Colorful World of Optimization* *Note: Presentation at the Foreign Trade University - 10 minutes walking distance from VIASM (zoom attendance at VIASM)*	**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	*Coincidence Theorem on Hadamard Manifolds with Applications*	**Gue Myung Lee**, Pukyong National University, Korea
10:50-11:20	**Duong Thi Kim Huyen**, Phenikaa University, Vietnam	*A New Minimax S-Lemma and Applications*	
11:20-11:40 **(cancelled)**	**Pham Thanh Duoc**, Can Tho University, Vietnam	*Convergence of Solutions to Consumer Problems*	
11:40-12:00 **(online)**	**Waseem Asghar**, Government College University Lahore, Pakistan	*Inertial and Self-adaptive Algorithms for Approximation of Solution of Variational Inclusions and Applications*	
12:00-14:00	**Lunch break**		

Session C4 (Room C102)

	Speaker	Title	Chair
10:30-10:50 **(online)**	**Titus Pinta**, ENSTA, France	*A Newton-type Method for Multicriteria Optimization*	**Phan Tu Vuong**, University of Southampton, UK
10:50-11:10	**Hardeep Singh Saluja**, Aligarj Muslim University, India	*Dynamical Approach for Fixed Points of Strictly Pseudocontractive Mappings*	
11:10-11:30	**Parin Chaipunya**, King Mongkut's University of Technology Thonburi, Bangkok, Thailand	*A Bilevel Game whose Followers Play an Abstract Economy*	
11:30-11:50	**Nguyen Hong Nhung**, HCMC University of Technology and Education, Ho Chi Minh City, Vietnam	*The Projected Heavy-Ball Method for Quasar-Monotone Variational Inequalities and Quasar-Convex Optimization*	
11:50-12:10	**Priyanka Mishra,** Pranveer Singh Institute of Technology Kanpur, Kanpur, U.P., India	*On the Equivalence between Non-Smooth Interval-Valued Vector Optimization Problems and Generalized Vector Variational Inequalities*	
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	*Approximating Solutions to Optimization Problems Beyond Normed Linear Spaces*	**Abderrahim Jourani**, Université de Bourgogne, Dijon, France
14:40-15:20	**Laurent Condat**, King Abdullah University of Sciences and Technology, Saudi Arabia	*Communication-Efficient Distributed Optimization Algorithms*	
15:20-15:50	**Coffee Break**		
15:50-17:00	**Talks**		
	Speaker	**Title**	**Chair**
15:50-16:25	**Zhou Wei**, Hebei University, China	*Stability of Error Bounds for Convex Inequalities Systems*	**Michel Théra**, University of Limoges, France
16:25-17:00	**Luiz-Rafael Santos**, Federal University of Santa Catarina, Brazil	*Circumcenters Tools for the Convex Feasibility Problem: Theory and Applications*	

March 15, 2025; Saturday

Excursions and scientific exchanges