TENTATIVE PROGRAM

Tuesday, October 13, 2026, *Morning*

09:00 – 09:30 **Registration**
(at the lobby beside Hall 102 Building A8, Phenikaa University)

Hall 1
(Hall 102 Building A8, Phenikaa University)

09:30 – 10:00 **Opening ceremony**

10:00 – 10:15 **Workshop photo**

Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Samir Adly**

10:15 – 11:00 **Ralph Tyrrell Rockafellar**
Variational stability and sufficient conditions for local optimality

11:00 – 11:45 **Juan Enrique Martínez-Legaz, Christiane Tammer**
Surrogate duality for quasiconvex vector optimization problems

11:45 – 14:00 **Lunch**
(2nd floor, Building D6, Phenikaa University)

Tuesday, October 13, 2026, *Afternoon*

Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Nguyễn Đông Yên**

14:00 – 14:45 **Samir Adly**
Support profiles and exact capacities of Pareto spectra in orders three and four

14:45 – 15:30 **Boris Sholimovich Mordukhovich**
Generalized metric subregularity with applications to high-order regularized Newton methods

15:30 – 15:50 **Coffee break**

Parallel session 1 - Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Nadia Zlateva**

15:50 – 16:20 **Zhou Wei, Michel Théra, Jen-Chih Yao**
Subtransversality and strong CHIP for finitely many closed subsets

16:20 – 16:50 **Marius Durea**
Properties of cones and sets via positive functionals and applications

16:50 – 17:20 **Marius Durea, Nguyễn Hữu Trọn, Michel Théra**
Nonlinear and orbital directional regularities for set-valued mappings and applications to fixed points

Parallel session 2 - Hall 2
(Meeting Room 3 on the 2nd floor, Building A10, Phenikaa University)
Chair: **Trần Văn Nghị**

15:50 – 16:20 **Lê Minh Thùy**
Optimization challenges in intelligent autonomous sensing systems: From energy autonomy to adaptive sensing and communication

16:20 – 16:50 **Chu Thị Mai Hồng**
Time-integrated optimal transport and applications

16:50 – 17:20 **Đặng Thị Ngoan**
Scalarization in vector optimization with two-variable domination structures

Wednesday, October 14, 2026, *Morning*

Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Christiane Tammer**

09:00 – 09:45 **Arnd Rösch**
Fast optimization methods in infinite dimensions

09:45 – 10:15 **Coffee break**

Parallel session 1 - Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Nguyễn Đông Yên**

10:15 – 10:45 **Milen Ivanov, Detelina Kamburova, Nadia Zlateva**
On long orbit empty value principle

10:45 – 11:15 **Lê Bá Khiết, Boris Mordukhovich, Michel Théra**
Inexact proximal point and Tseng algorithms with nonsummable errors to solve monotone inclusions

11:15 – 11:45 **Dương Thị Kim Huyền**
Minimax S-Lemma and applications

Parallel session 2 - Hall 2
(Meeting Room 3 on the 2nd floor, Building A10, Phenikaa University)
Chair: **Bùi Trọng Kiên**

10:15 – 10:45 **Cung Thế Anh**
Analysis of 3D Navier-Stokes-Voigt velocity tracking problem with bang-bang controls

10:45 – 11:15 **Vũ Hữu Nhự**
Second-order necessary optimality conditions for an elliptic optimal control problem with exponential nonlinearity and discrete measures

11:15 – 11:45 **Samir Adly, Nguyễn Trọng Đoàn, Bùi Trọng Kiên, Nguyễn Quốc Tuấn**
Second-order sufficient optimality conditions for multiobjective time-optimal control problems with endpoint and mixed constraints

11:45 – 14:00 **Lunch**
(2nd floor, Building D6, Phenikaa University)

Wednesday, October 14, 2026, *Afternoon*

Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Huỳnh Văn Ngãi**

14:00 – 14:45 **Abdessamad Barbara, Abderrahim Jourani**
Error bound characterizations of the conical constraint qualification in convex programming

14:45 – 15:30 **Lê Dũng Mưu**
Methods for solving equilibrium problems involving convex and quasiconvex bifunctions

15:30 – 15:50 **Coffee break**

Parallel session 1 - Hall 1
(Hall 102 Building A8, Phenikaa University)
Chair: **Phạm Duy Khánh**

15:50 – 16:20 **Trương Xuân Đức Hà**
On strict efficiency and strict weak efficiency in set optimization

16:20 – 16:50 **Bùi Văn Định, Trần Thị Huyền Thanh, Biện Thanh Tuyền, Jein Shan Chen**
The variants of projection extragradient algorithms for nonmonotone equilibrium problems in Hilbert spaces

16:50 – 17:20 **Paul Armand, Trần Ngọc Nguyên**
On the boundedness of inverses of regularized Jacobian matrices in nonlinear optimization and applications

Wednesday, October 14, 2026, *Afternoon*

Parallel session 2 - Hall 2
(Meeting Room 3 on the 2nd floor, Building A10, Phenikaa University)
Chair: **Lê Hải Yến**

15:50 – 16:20 **Nguyễn Thị Thu Thủy, Nguyễn Quốc Anh**
An accelerated relaxed algorithm for the split feasibility problem with multiple output sets in Hilbert spaces

16:20 – 16:50 **Umashankar Bajpei, Shashi Kant Mishra, Dhruv Singh**
Multiobjective bilevel optimization problem with switching constraints

16:50 – 17:20 **Kuldip Singh Sangwan, Rakhee Kulshrestha, Paras, Vijaypal Poonia**
Stochastic modelling and performance analysis of a circular supply chain

18:00 – 21:00 **Banquet**
(2nd floor, Building D6, Phenikaa University)

Thursday, October 15, 2026, *Morning*

Hall 1
(Hall 301 Building A5, IM, VAST)
Chair: **Marius Durea**

09:00 – 09:45 **Asen Dontchev, Helmut Gfrerer, Alexander Kruger, Jiří Outrata**
Radius of metric subregularity

09:45 – 10:15 **Coffee break**

Parallel session 1 - Hall 1
(Hall 301 Building A5, IM, VAST)
Chair: **Nguyễn Văn Tuyên**

10:15 – 10:45 **Altangerel Lkhamsuren**
Tseng's type methods in continuous and discrete time for quasi-variational inequalities

10:45 – 11:15 **Trần Thanh Nam, Tạ Quang Sơn**
Solution mappings and directional derivatives of convex infimal convolutions

11:15 – 11:45 **Phạm Duy Khánh, Bùi Huỳnh Trâm, Trần Bá Đạt**
Derivative-free trust-region methods for noisy functions

Parallel session 2 - Hall 2
(Hall 301 Building A5, IM, VAST)
Chair: **Nguyễn Năng Thiều**

10:15 – 10:45 **Swapnil Verma**
New fixed point results on interpolative metric spaces

10:45 – 11:15 **Đinh Văn Tiệp, Nguyễn Thanh Sơn**
Some vector transports for nonlinear conjugate gradient optimization schemes on the indefinite Stiefel manifold

11:15 – 11:45 **Soumya Rath, Shashi Kant Mishra**
A variable step size inertial forward-backward algorithm for monotone variational inclusions

11:45 – 14:00 **Lunch**
(3rd floor, Building A14, VAST)

Thursday, October 15, 2026, *Afternoon*

Hall 1
(Hall 301 Building A5, IM, VAST)
Chair: **Alexander Kruger**

14:00 – 14:45 **Phạm Duy Khánh, Phạm Hữu Dư, Huỳnh Lai Bách Tỷ**
Approximately scalable sets in normed spaces

14:45 – 15:30 **Liguo Jiao, Lưu Thị Thu Huyền, Nguyễn Văn Tuyên**
Second-order optimality conditions for $C^{1,1}$ sparsity constrained optimization problems via disjunctive programming

15:30 – 15:50 **Coffee break**

Hall 1
(Hall 301 Building A5, IM, VAST)
Chair: **Bùi Trọng Kiên**

15:50 – 16:20 **Đỗ Đức Thuận**
Stability radius and dichotomy radius of infinite-dimensional linear systems under unbounded perturbations via Yosida distance

16:20 – 16:50 **Jia Chen, Võ Thành Phát, Shengda Zeng**
A coupled nonsmooth dynamical system: Global well-posedness, stability and sensitivity analysis

16:50 – 17:00 **Closing ceremony**