

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 **Boris Sholimovich Mordukhovich**

Generalized metric subregularity with applications to high-order regularized Newton methods

11:45 – 14:00 **Lunch**

(2nd floor, Building D6, Phenikaa University)

Tuesday, October 13, 2026, *Afternoon*

Hall 1

(Hall 102 Bulding A8, Phenikaa University)

Chair: **Boris Sholimovich Mordukhovich**

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

14:45 – 15:15 **Coffee break**

Parallel session 1 - Hall 1

(Hall 102 Bulding A8, Phenikaa University)

Chair: **Nguyễn Đình**

15:15 – 15:40 **Zhou Wei, Michel Théra, Jen-Chih Yao**
Subtransversality and strong CHIP for finitely many closed subsets

15:40 – 16:05 **Marius Durea**
Properties of cones and sets via positive functionals and applications

16:05 – 16:30 **Marius Durea, Nguyễn Hữu Trọn, Michel Théra**
Nonlinear and orbital directional regularities for set-valued mappings and applications to fixed points

16:30 – 16:55 **Milen Ivanov, Detelina Kamburova, Nadia Zlateva**
On long orbit empty value principle

Tuesday, October 13, 2026, *Afternoon*

Parallel session 2 - Hall 2

(Meeting Room 3 on the 2nd floor, Building A10, Phenikaa University)

Chair: **Trần Văn Nghị**

- 15:15 – 15:40 **Lê Minh Thùy**
*Optimization challenges in intelligent autonomous sensing systems:
From energy autonomy to adaptive sensing and communication*
- 15:40 – 16:05 **Chu Thị Mai Hồng**
Time-integrated optimal transport and applications
- 16:05 – 16:30 **Dương Thị Kim Huyền**
Minimax S-Lemma and applications
- 16:30 – 16:55 **Đặng Thị Ngoan**
*Scalarization in vector optimization with two-variable domination
structures*
- 18:00 – 21:00 **Banquet**
(2nd floor, Building D6, Phenikaa University)

Wednesday, October 14, 2026, *Morning*

Hall 1

(Hall 102 Bulding 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 Bulding A8, Phenikaa University)

Chair: **Nguyễn Đông Yên**

10:15 – 10:45 **Nguyễn Đình, Đào Hải Long**
From robust to adjustable robust optimization problems

10:45 – 11:15 **Lê Dũng Mưu**
Methods for solving equilibrium problems involving convex and quasiconvex bifunctions

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

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

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

Wednesday, October 14, 2026, *Afternoon*

Hall 1

(Hall 102 Bulding A8, Phenikaa University)

Chair: **Huỳnh Văn Ngã**

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

14:45 – 15:15 **Coffee break**

Parallel session 1 - Hall 1

(Hall 102 Bulding A8, Phenikaa University)

Chair: **Phạm Duy Khánh**

15:15 – 15:40 **Liguo Jiao, Lưu Thị Thu Huyền, Nguyễn Văn Tuyên**
Second-order optimality conditions for $C^{1,1}$ sparsity constrained optimization problems via disjunctive programming

15:40 – 16:05 **Bùi Văn Định, Trần Thị Huyền Thanh, Biện Thanh Tuyên, Jein Shan Chen**
The variants of projection extragradient algorithms for nonmonotone equilibrium problems in Hilbert spaces

16:05 – 16:30 **Trần Thanh Nam, Tạ Quang Sơn**
Solution mappings and directional derivatives of convex infimal convolutions

16:30 – 16:55 **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**

- 15:15 – 15:40 **Syed Rabbani, Imran Ali**
*Neural network-based solution of extended random inverse
quasi-variational inequalities with stability and convergence analysis*
- 15:40 – 16:05 **Kanchan Mittal, Habib ur Rehman, Elisabeth Köbis,
Jen-Chih Yao, Xiaopeng Zhao**
Golden ratio splitting algorithm for equilibrium problems
- 16:05 – 16:30 **Soumya Rath, Shashi Kant Mishra**
*A variable step size inertial forward-backward algorithm for
monotone variational inclusions*
- 16:30 – 16:55 **Nguyễn Thị Thu Thủy, Nguyễn Quốc Anh**
*An accelerated relaxed algorithm for the split feasibility problem
with multiple output sets in Hilbert spaces*

Thursday, October 15, 2026, *Morning*

Hall 1

(Hall 301 Bulding A5, IM, VAST)

Chair: **Alexander Kruger**

09:00 – 09:45 **Juan Enrique Martínez-Legaz, Christiane Tammer**
Surrogate duality for quasiconvex vector optimization problems

09:45 – 10:15 **Coffee break**

Parallel session 1 - Hall 1

(Hall 301 Bulding A5, IM, VAST)

Chair: **Nguyễn Văn Tuyên**

10:15 – 10:45 **Pascal Bégout, Jérôme Bolte, Thomas Mariotti, Francisco José Silva Álvarez**
Gradient extremals, talwegs, valleys, and directional alignment for generic gradient descent

10:45 – 11:15 **Phạm Duy Khánh, Phạm Hữu Dư, Huỳnh Lai Bách Tỷ**
Approximately scalable sets in normed spaces

11:15 – 11:45 **Shiva Shankar**
Control of the Maxwell equations in the framework of J.C. Willems' theory of behaviours

Parallel session 2 - Hall 2

(Hall 301 Bulding A5, IM, VAST)

Chair: **Tạ Quang Sơn**

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

10:45 – 11:15 **Kuldip Singh Sangwan, Rakhee Kulshrestha, Paras, Vijaypal Poonia**
Stochastic modelling and performance analysis of a circular supply chain

11:15 – 11:45 **Dhananjay Gopal**
On the problem of Cauchyeness of fuzzy contractive sequences

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

Thursday, October 15, 2026, *Afternoon*

Hall 1

(Hall 301 Bulding A5, IM, VAST)

Chair: **Marius Durea**

14:00 – 14:45 **Asen Dontchev, Helmut Gfrerer, Alexander Kruger,
Jiří Outrata**
Radius of metric subregularity

14:45 – 15:15 **Coffee break**

Parallel session 1 - Hall 1

(Hall 301 Bulding A5, IM, VAST)

Chair: **Bùi Trọng Kiên**

15:15 – 15:40 **Đỗ Đức Thuận**
*Stability radius and dichotomy radius of infinite-dimensional
linear systems under unbounded perturbations via Yosida distance*

15:40 – 16:05 **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*

16:05 – 16:30 **Trương Xuân Đức Hà**
On strict efficiency and strict weak efficiency in set optimization

16:30 – 16:55 **Phạm Duy Khánh, Bùi Huỳnh Trâm, Trần Bá Đạt**
Derivative-free trust-region methods for noisy functions

Thursday, October 15, 2026, *Afternoon*

Parallel session 2 - Hall 2
(Hall 302, Building A5, IM, VAST)

Chair: Nguyễn Năng Thiều

- 15:15 – 15:40 **Umashankar Bajpei, Shashi Kant Mishra, Dhruv Singh**
Multiobjective bilevel optimization problem with switching constraints
- 15:40 – 16:05 **Rattanaorn Wangkeeree, Rabian Wangkeeree,**
Yirga Abebe Belay, Kasamsuk Ungchitrakool
Optimization aspect of machine learning: Neurodynamical neural network approach for solving support vector machines with generalized pinball loss function via hyperbolic tangent smoothing function
- 16:05 – 16:30 **Izhar Uddin**
A simpler and more efficient iterative scheme for image restoration
- 16:30 – 16:55 **Đinh Văn Tiệp, Nguyễn Thanh Sơn**
Some vector transports for nonlinear conjugate gradient optimization schemes on the indefinite Stiefel manifold
- 16:55 – 17:00 **Closing ceremony**
(Hall 301, Building A5, IM, VAST)