

PROGRAM OF THE 6TH INTERNATIONAL CONFERENCE ON MATHEMATICS IN CENTRAL VIETNAM AND THE CENTRAL HIGHLANDS, 2026

(Quang Nam University, 102 Hung Vuong Street, Tam Ky Ward, Da Nang City)

DAY 1: 23 AUGUST 2026

Time	Program	Person in Charge	Venue
07h30 - 08h00	Registration and Welcome	Organizing Committee	Conference Center
08h00 - 08h20	Welcome Performance; Opening Remarks; Introduction of Delegates	Organizing Committee	
08h25- 08h35	Welcome Address and Opening Ceremony	Rector	
08h35 – 08h50	Presentation of Flowers to Sponsors (if any) Handover of the Conference Flag to Dalat University	Organizing Committee	
08h50 - 09h25	Plenary Talk: Quantum Algorithms for Matrix Means and Matrix Equations (Quantum Algorithms for Matrix means and matrix equations) <i>Đinh Trung Hòa</i>	Chair: Lê Công Trình	
9h25-9h30	Discussion		
09h30 – 10h05	Plenary Talk: On the Generalized Gauss Maps of Minimal Surfaces Immersed in R^m (On the generalized Gauss maps of minimal surfaces immersed in R^m) <i>Huỳnh Đình Tuấn</i>	Chair: Lê Văn Thuyết	
10h05 – 10h10	Discussion		
10h10 - 10h25	Coffee Break		Conference Center Lobby
10h25 - 12h00	Parallel Sessions: 1) Algebra - Geometry - Topology 2) Mathematical Analysis 3) Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics	Registered Speakers	- Algebra - Geometry - Topology Session: <i>Conference Center</i> . - Mathematics Education and History of Mathematics Session: <i>Room 1.1, Building A1</i> .

	4) Mathematics Education and History of Mathematics		- Mathematical Analysis Sessions: Rooms 1.2, 2.1 and 2.2, Building A1. - Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics: <i>Rooms 3.1 and 3.2, Building A1.</i>
12h00 - 14h00	Lunch Break		
14h00-15h20	Parallel Sessions (continued)	<i>Registered Speakers</i>	- Algebra - Geometry - Topology Session: <i>Conference Center.</i> - Mathematics Education and History of Mathematics Session: <i>Room 1.1, Building A1.</i> - Mathematical Analysis Sessions: Rooms 1.2, 2.1 and 2.2, Building A1. - Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics: <i>Rooms 3.1 and 3.2, Building A1.</i>

15h20 – 15h35	Coffee Break		Conference Center Lobby; Phòng 1.3,2.3,3.3 Khu A1
15h35 - 17h00	Parallel Sessions (continued)	Registered Speakers	- Algebra - Geometry - Topology Session: <i>Conference Center</i> . - Mathematics Education and History of Mathematics Session: <i>Room 1.1, Building A1</i> . - Mathematical Analysis Sessions: Rooms 1.2, 2.1 and 2.2, Building A1. - Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics: <i>Rooms 3.1 and 3.2,</i> <i>Building A1</i> .
18h00	Gala Dinner		Muong Thanh Hotel
DAY 2: 24 AUGUST 2026			
Time	Program	Person in Charge	Venue
08h00 - 08h35	<i>Plenary Talk: Stability Analysis of Classes of Positive Systems with Time Delays</i> (Stability analysis of classes of positive systems with time-delays) <i>Phan Thanh Nam</i>	<i>Chair:</i> <i>Đinh Thanh Đức</i>	Conference Center
08h35-08h40	Discussion		

08h40 - 09h15	<i>Plenary Talk: Digital Transformation in Mathematics Education: From Technology to Learner Competence Development</i> (Digital Transformation in Mathematics Education: From Technology to Learner Competence Development) <i>Phạm Nguyễn Hồng Ngự</i>	<i>Chair:</i> Phạm Sỹ Nam	
09h15 - 09h20	Discussion		
09h20 – 9h35	Coffee Break		<i>Conference Center Lobby</i>
09h35 - 12h00	Parallel Technical Sessions: 1) Algebra - Geometry - Topology 2) Mathematical Analysis 3) Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics 4) Mathematics Education and History of Mathematics	<i>Registered Speakers</i>	- Algebra - Geometry - Topology Session: <i>Conference Center</i> . - Mathematics Education and History of Mathematics Session: <i>Room 1.1, Building A1</i> . - Mathematical Analysis Sessions: Rooms 1.2, 2.1 and 2.2, Building A1. - Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics: <i>Rooms 3.1 and 3.2, Building A1</i> .
12h00 - 14h00	Lunch Break		
14h00 – 15h20	Parallel Sessions (continued)	<i>Registered Speakers</i>	- Algebra - Geometry - Topology Session: <i>Conference Center</i> .

			- Mathematics Education and History of Mathematics Session: <i>Room 1.1, Building A1.</i> - Mathematical Analysis Sessions: Rooms 1.2, 2.1 and 2.2, Building A1. - Optimization and Scientific Computing, Mathematical Foundations of Computer Science; Probability, Statistics and Financial Mathematics: <i>Rooms 3.1 and 3.2, Building A1.</i>
15h20-15h35	Coffee Break		<i>Conference Center Lobby; Rooms 1.3; 2.3 and 3.3, Building A1.</i>
15h35-17h00	Parallel Sessions (continued)	<i>Registered Speakers</i>	Algebra - Geometry - Topology Session: <i>Conference Center.</i> - Mathematics Education and History of Mathematics Session: <i>Room 1.1, Building A1.</i> - Mathematical Analysis Sessions: Rooms 1.2, 2.1 and 2.2, Building A1. - Optimization and Scientific Computing, Mathematical

			Foundations of Computer Science; Probability, Statistics and Financial Mathematics: <i>Rooms 3.1 and 3.2,</i> <i>Building A1.</i>
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SESSION PROGRAM: ALGEBRA - GEOMETRY - TOPOLOGY

The 6th International Conference on Mathematics in Central Vietnam and the Central Highlands, 2026

23 AUGUST 2026

Morning Session: 10h25 - 12h00

Chair: Văn Đức Trung

Time	Speaker	Presentation Title	Venue
10h25 - 10h45	Sejong Kim	Multivariate extension of the spectral geometric mean	Meeting Room 1
10h45 - 11h05	Dư Thị Hòa Bình	Null quadrangle in Universal hyperbolic geometry	
11h05 - 11h25	Lê Thanh Hiếu	The geometry and computation of spectrahedra and applications	
11h25 - 11h45	Võ Thị Bích Khuê	Interval-Valued Fuzzy Matrices for Ranking from Imprecise Preferences: Models and Applications	

Afternoon Session I: 14h00 - 15h20

Chair: Lê Anh Vũ

Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Lê Văn Thuyết	Rings Characterized via Pseudo C^* -injectivity	Meeting Room 1
14h20 - 14h40	Cao Minh Nam	A Thompson-Type Criterion for the Solvable Radical in Classes of Infinite Groups	
14h40 - 15h00	Anshul Phogat	Shock wave dynamics in a Non-Ideal Dusty Rotating Gas with Gravitational Field	
15h00 - 15h20	Lê Đức Thoang	Weakly Socle-Injective Modules	

15h20 – 15h35: COFFEE BREAK

Room 3.3, Building A1

Afternoon Session II: 15h35 - 17h15

Chair: Nguyễn Thị Mộng Tuyền

Time	Speaker	Presentation Title	Venue
15h35 - 15h55	Hiroki Shudo	Some inequalities for matrix means and positive linear maps	Meeting Room 1
15h55 - 16h15	Anshul Phogat	Similarity Solution for Magnetogasdynamic Shock Wave in a Non-Ideal Dusty Rotating Gas with Gravitational Field	
16h15 - 16h35	Đào Thị Trang	Some properties of pseudo-projective modules and their endomorphism rings	
16h35 - 16h55	Nguyễn Quốc Tiến	On absolute direct injective modules	
16h55-17h15	Trương Hữu Dũng	The Multiplicative Matrix Waring Problem for Algebraically Closed Division Rings	

24 AUGUST 2026

Morning Session: 9h35 - 12h00

Chair: Trương Hữu Dũng

Time	Speaker	Presentation Title	Venue
9h35 - 9h55	Lê Anh Vũ	Complete and cocomplete Lie algebras with injective- and projective-type properties	Meeting Room 1
9h55 - 10h15	Văn Đức Trung	Bass and Betti Numbers Under Ideal Perturbations	
10h15 - 10h35	Nguyễn Thị Mộng Tuyền	Non-commuting graphs of Lie algebras and their applications to the classification of metabelian Lie algebras	
10h35 - 10h55	Ngô Tấn Phúc	Leavitt path algebras having graded Invariant Basis Number	
10h55 - 11h15	Trần Thị Vân Anh	Flat base change for Koszul homology of families of d-sequences and applications	
11h15-11h35	Phan Văn Lộc	On the approximate Cohen–Macaulayness of Idealization	

SESSION PROGRAM: MATHEMATICS EDUCATION AND HISTORY OF MATHEMATICS

The 6th International Conference on Mathematics in Central Vietnam and the Central Highlands, 2026

23 AUGUST 2026			
Morning Session: 10h25 - 12h00			
Chair: Trần Kiêm Minh			
Time	Speaker	Presentation Title	Venue
10h25 - 10h45	Nguyễn Tất Thu	AI-Assisted Self-Study of Grade 10 Combinatorics: The Role of Strategic SRL Guidance in Developing Question-Formulation Skills	Room 1.1, Building A1
10h45 - 11h05	Lê Thị Bạch Liên	Applying the CLIL method in teaching mathematics in English: a study in mathematics teacher education	
11h05 - 11h25	Lê Quốc Hào	The “h-Characteristic” and Its Applications in High School Mathematics Teaching	
11h25 - 11h45	Huỳnh Nguyễn Ngọc Hân	Using Artificial Intelligence Tools to Develop Mathematics Lesson Plans in High Schools	
Afternoon Session I: 14h00 - 15h20			
Chair: Phạm Sỹ Nam			
Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Nguyễn Thị Hồng Hạnh	Applying visual logical thinking in teaching mathematics to pre-service teacher	Room 1.1, Building A1
14h20 - 14h40	Hồ Trúc Chi	Empowering Educators for the Digital Era: Analyzing Mathematics Teachers’ Attitudes toward Integrating Minecraft in Education for Sustainable Development	
14h40 - 15h00	Nguyễn Duy Thiệu	Designing a teaching activity for the Cosine Theorem for 10th-grade students using a Digital Storytelling model integrated with artificial intelligence	
15h00 - 15h20	Phạm Văn Bản	Designing and Implementing the “Decoding the Mysterious Blind Bag” Game for Teaching Experimental Probability in Grade 6	
15h20 - 15h35: COFFEE BREAK			Room 1.3, Building A1
Afternoon Session II: 15h35 - 17h00			
Chair: Trần Kiêm Minh			
Time	Speaker	Presentation Title	Venue
15h35 - 15h55	Bùi Anh Tuấn	Designing an AI-Integrated Learning Management System for Computer-Based Mock High School Graduation Examinations in Mathematics	Room 1.1, Building A1
15h55 - 16h15	Thái Hoàng Thiên Nhi	Using Artificial Intelligence Tools to Evaluate Selected Mathematics Learning Management Systems Commonly Used in Vietnam from a Digital Transformation Perspective	
16h15 - 16h35	Hoàng Thảo Trang	The SEM Mathematics Learning Management System in the Context of Smart Education	
16h35 - 16h55	Trịnh Hồ Sơn Trường	Applying Recurrence Methods to Solve Selected Counting Problems	

24 AUGUST 2026			
Morning Session: 9h35 - 12h00			
Chair: Phạm Sỹ Nam			
Time	Speaker	Presentation Title	Venue
9h35 - 9h55	Nguyễn Đăng Minh Phúc	Developing Digital Technology and Artificial Intelligence Competencies for Pre-Service Mathematics Teachers through the CoSheet Application	Room 1.1, Building A1
9h55 - 10h15	Huỳnh Duy Thủy	Discussing how to apply arithmetic properties in finding solutions to the problem of selecting gifted students at the junior high school level	
10h15 - 10h35	Khổng Chí Nguyễn	Enhancing Primary Students' Real-World Problem-Solving Skills through AI-Assisted Problem-Based Learning	
10h35 - 10h55	Nguyễn Ngọc Thanh	Exploring the Interaction between Computational Thinking and Mathematical Thinking among Pre-Service Mathematics Teachers through a Learning Module on Graph Theory	
10h55 - 11h15	Nguyễn Huỳnh Trọng Đức	Current status of mathematical argumentation in high school geometry learning: A convergent parallel mixed-methods study	
11h15 - 11h35	Phạm Xuân Trung	A Metadata-Based Diagnostic MCQ Assessment System in the AI Era: A Micro-Skill Approach for Multivariable Calculus	
11h35-11h55	Trần Quốc Dân	Developing Computational Thinking among High School Students through the 2026 Mathematics Graduation Examination	
Afternoon Session: 14h00 - 17h00			
Chair: Phạm Nguyễn Hồng Ngự			
Time	Speaker	Presentation Title	
14h00 - 14h20	Nguyễn Thị Mai Thủy	Promoting Students' Contextual Problem-Solving Competence through ICT-Supported Context-Based Mathematics Teaching	Room 1.1, Building A1
14h20 - 14h40	Hoàng Thị Diễm Phương	Levels of Plane Geometric Thinking among 4–5-Year-Old Preschool Children: A Case Study at a Kindergarten in Hue City	
14h40 - 15h00	Hồ Thị Quỳnh Tiên	Developing Digital Learning Materials for Teaching “Parallel Relationships in Space” Using the Flipped Classroom Approach	
15h00 - 15h20	Ngô Anh Thư	Using GeoGebra to Teach Integral Calculus in the Grade 12 Mathematics Curriculum	
15h20 - 15h35: COFFEE BREAK			Room 1.3, Building A1
Afternoon Session II: 15h35-17h00			
15h35 - 15h55	Lê Anh Tuấn	Teachers' Challenges in Integrating AI into the Teaching of the Derivative Concept: An Analysis Based on the AI-TPACK Framework	Room 1.1, Building A1
15h55 - 16h15	Nguyễn Thị Sinh	Modeling and Simulation in School Probability Education: A Mathematical Working Space Perspective	

SESSION PROGRAM: MATHEMATICAL ANALYSIS - ROOM 1

(Partial Differential Equations and Wave Equations)

The 6th International Conference on Mathematics in Central Vietnam and the Central Highlands, 2026

23 AUGUST 2026			
Morning Session: 10h25 - 12h00			
Chair: Đoàn Thị Như Quỳnh			
Time	Speaker	Presentation Title	Venue
10h25 - 10h45	Hoàng Thị Thu Hải	On a Class of Neumann Boundary Value Problems for Kirchhoff-Type Elliptic Equations with Generalized Variable Exponents	Room 1.2, Building A1
10h45 - 11h05	Nguyễn Thành Chung	Multiple solutions for a Kirchhoff-type double phase problem involving variable exponents and two parameters	
11h05 - 11h25	Võ Ngọc Ánh Nguyên	Existence, Exponential Decay, and Asymptotic Expansion of Solutions for a Love-Type Wave Equation with Linear Viscoelastic Terms and a Nonlinear Source	
11h25 - 11h55	Nguyễn Thái Điền	Global Existence, Exponential Decay, and Finite-Time Blow-Up for a Nonlinear Damped Wave Equation	
Afternoon Session I: 14h00 - 15h20			
Chair: Nguyễn Minh Quân			
Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Nguyễn Hữu Nhân	Global Existence and General Decay Estimates for Solutions of a Fourth-Order Viscoelastic Wave Equation	Room 1.2, Building A1
14h20 - 14h40	Nguyễn Hồng Phát	Existence and Properties of Solutions to a Neumann–Dirichlet Boundary Value Problem for a Viscoelastic Wave Equation with Nonlinear Damping	
14h40 - 15h00	Trần Hòa Phú	Existence and Exponential Decay Estimates for a Nonlinear Wave Equation with Multipoint Boundary Conditions	
15h00 - 15h20	Nguyễn Sơn Hồng Hạnh	A Dirichlet Problem for a Nonlinear Love-Type Wave Equation under Strong Damping and Viscoelastic Effects	
15h20 - 15h35: COFFEE BREAK			Room 1.3, Building A1
Afternoon Session II: 15h35 - 17h00			
Chair: Nguyễn Hữu Nhân			
Time	Speaker	Presentation Title	Venue
15h35 - 15h55	Bùi Đức Nam	Existence and Continuous Dependence of Solutions for a Pseudoparabolic Equation with Carrier-Type and Viscoelastic Terms	
15h55 - 16h15	Phạm Lê Quốc Trọng	Existence and General Decay Estimates of Solutions for a Wave–Heat System with Linear Viscoelastic Terms and a Nonlinear Source	

16h15 - 16h35	Trần Minh Trục	Existence and General Decay Estimates for a Strongly Damped Love-Type Wave Equation with a Viscoelastic Term	Room 1.2, Building A1
16h35 - 16h55	Khổng Thị Thảo Uyên	Existence and Qualitative Properties of Solutions for a Nonlinear Kirchhoff-Type Pseudoparabolic System with Linear Viscoelastic Terms	
24 AUGUST 2026			
Morning Session: 9h35 - 12h00			
Chair: Nguyễn Thành Chung			
Time	Speaker	Presentation Title	Venue
09h35 - 09h55	Lê Hoàng Bảo	A High-Order Iterative Algorithm for the Dirichlet Problem for a Love-Type Wave Equation in an Annular Domain	Room 1.2, Building A1
09h55 - 10h15	Lý Ánh Dương	A High-Order Iterative Method for the Dirichlet Problem for a Generalized Strongly Damped Kirchhoff–Carrier Wave Equation	
10h15 - 10h35	Võ Thị Tuyết Mai	An Nth-Order Iterative Algorithm for the Dirichlet Problem for a Nonlinear Love–Kirchhoff Equation with Viscoelastic Effects	
10h35 - 10h55	Phạm Nguyễn Nhật Khanh	An Nth-Order Iterative Scheme for an Initial-Boundary Value Problem for a Nonlinear Hyperbolic–Parabolic System with Viscoelastic Terms	
10h55 - 11h15	Thân Trọng Anh Khoa	Qualitative Analysis and a Second-Order Iterative Scheme for a Nonlinear Goursat–Darboux System with Multipoint Boundary Conditions	
11h15 - 11h35	Anshika Gahlot	An Efficient New Wavelet Integral Approximation for Lane–Emden–Fowler Equations with Three-Point Boundary Conditions	
11h35 - 11h55	Đoàn Thị Như Quỳnh	A Second-Order Iterative Scheme for a Nonlinear Wave Equation with a Chipot-Type Nonlocal Term	
Afternoon Session I: 14h00 - 15h20			
Chair: Lê Ánh Hạ			
Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Aastha Tanwar	Axisymmetric Thermal Buckling of 2D-FGM Circular Plates with Variable Thickness Resting on an Elastic Foundation	Room 1.2, Building A1
14h20 - 14h40	Võ Đăng Khoa	Structure-preserving numerical scheme for the damped (2+1)D nonlinear Schrödinger equation with combined power-type nonlinearities	
14h40 - 15h00	Lê Khánh Huy	A Numerical Method for the (2+1)D Saturable Nonlinear Schrödinger Equation with a General Damping Term	
15h00 - 15h20	Nguyễn Minh Quân	A Two-Level Numerical Scheme for the 2D Cubic–Quintic Complex Ginzburg–Landau Equation: Stability and Convergence Analysis	
15h20 - 15h35: COFFEE BREAK			Room 1.3, Building A1
Afternoon Session II: 15h35 - 17h00			
Chair: Bùi Đức Nam			
Time	Speaker	Presentation Title	Venue
15h35 - 15h55	Lê Phú Thắng	Global Existence and General Decay Estimates of Solutions for a Nonlinear Kirchhoff–Love Equation with Dirichlet Boundary Conditions and Viscoelastic Effects	Room 1.2, Building A1
15h55 - 16h15	Dương Thị Mộng Thường	On a Pseudoparabolic Equation with Kirchhoff- and Chipot-Type Nonlocal Terms	
16h15 - 16h35	Lê Ánh Hạ	A Stable Crank–Nicolson Scheme for the Regularized (2+1)D Logarithmic Nonlinear Schrödinger Equation with Nonlinear Perturbation	

16h35 - 16h55	Phan Thị Thiên Trang	General Decay Properties of Solutions for a Strongly Damped Kirchhoff-Type Wave System with Viscoelastic Terms	
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SESSION PROGRAM: MATHEMATICAL ANALYSIS - ROOM 2

(Dynamical Systems - Control Theory - Numerical Methods)

The 6th International Conference on Mathematics in Central Vietnam and the Central Highlands, 2026

23 AUGUST 2026			
Morning Session: 10h25 - 12h00			
Chair: Phạm Quý Mười			
Time	Speaker	Presentation Title	Venue
10h25 - 10h45	Cao Thanh Tình	Computable Exponential State Enclosures for Disturbed Linear Systems with Time Delays	Room 2.1, Building A1
10h45 - 11h05	Phạm Thị Hương	Finite-time stabilization of singular large-scale discrete-time systems with interconnected delays	
11h05 - 11h25	Nguyễn Vũ Dzũng	Approximation of a Carrier-Type Wave System by a System Containing a Discretized Riemann Sum of the Carrier Term	
11h25 - 11h55	Lê Huy Vũ	Reachable State Set Analysis and Controller Construction for 2-D Nonlinear Systems with Time-Varying Delays	
Afternoon Session I: 14h00 - 15h20			
Chair: Nguyễn Vũ Dzũng			
Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Nguyễn Quang Tuấn	Design of Quantitative Interval Observers for Discrete-Time Systems with Time-Varying Delays and Disturbances	Room 2.1, Building A1
14h20 - 14h40	Lâm Thanh Phong	Stochastic Stability Analysis and Controller Design for Positive Fuzzy Takagi–Sugeno Systems with Time-Varying Delays under Lévy Noise	
14h40 - 15h00	Trần Quang Vương	Solutions of the Lamé Equation	
15h00 - 15h20	Tiêu Khánh Văn	Error Estimates for the Crank–Nicolson Finite Difference Method for a Cubic Nonlinear Schrödinger System with Linear Perturbation	
15h20 - 15h35: COFFEE BREAK			Room 2.3, Building A1
Afternoon Session II: 15h35- 17h00			

<i>Chair: Phan Thanh Nam</i>			
Time	Speaker	Presentation Title	Venue
15h35 - 15h55	Võ Thị Lệ Hằng	The relationship of fixed point theorems in b-metric spaces	Room 2.1, Building A1
15h55 - 16h15	Phạm Quốc Thắng	Error Estimates for the Crank–Nicolson Finite Difference Method for a Cubic Nonlinear Schrödinger Equation with Nonlinear Perturbation	
16h15 - 16h35	Nguyễn Trung Hiếu	Convergence analysis of a three-step iteration process for asymptotically nonexpansive mappings in CAT(0) spaces	
16h35 - 16h55	Takeaki Yamazaki	Limit of iteration of the induced Aluthge transformations of centered operators	
24 AUGUST 2026			
Morning Session: 9h35 - 12h00			
<i>Chair: Cao Thanh Tình</i>			
Time	Speaker	Presentation Title	Venue
09h35 - 09h55	Rahul Agarwal	Numerical approximation and analysis of a reaction–diffusion model for oncolytic M1 virotherapy	Room 2.1, Building A1
09h55 - 10h15	Nguyễn Quốc Tuấn	Second-order optimality conditions for Bolza-type multiobjective time-optimal control problems with end-point and mixed constraints	
10h15 - 10h35	Huỳnh Văn Dũng	On Convergence in Measure for Seminormed Fuzzy Integrals without Assuming Continuity of the Measure	
10h35 - 10h55	Phạm Kim Quý	A new hybrid cutting-projection algorithm for equilibrium and fixed point problem	
10h55 - 11h15	Lưu Xuân Thắng	On approximate source conditions for DFD filtering regularization in inverse problems	
11h15 - 11h35	Phạm Quý Mười	Generalization Error Estimation to Physics-Informed Neural Network Method for the Forward Problem in River Water Quality Models	
Afternoon Session I: 14h00-15h20			
<i>Chair: Nguyễn Trung Hiếu</i>			
14h00 - 14h25	Lê Hải Thiên	A Finite Difference Method for a Fractional Diffusion Problem on a Metric Star Graph	Room 2.1, Building A1
14h25 - 14h50	Trần Nguyên Khang	Uniqueness, Extension, Smooth Dependence, and Approximation of Solutions to Two-Dimensional Volterra Integral Equations	
14h50 - 15h20	Lê Văn Ngọc	Stability conditions for a class of nonlinear time-varying switched systems with delays and sector-type nonlinearities	
15h20 - 15h35: COFFEE BREAK			Room 2.3, Building A1

SESSION PROGRAM: MATHEMATICAL ANALYSIS - ROOM 3
(Functional Analysis - Operators and Inequalities)
The 6th International Conference on Mathematics in Central Vietnam and the Central Highlands, 2026

23 AUGUST 2026			
Morning Session: 10h25 - 12h00			
Chair:			
Time	Speaker	Presentation Title	Venue
10h25 - 10h45	Nguyễn Tuấn Duy	Stability Estimates for the Heisenberg Uncertainty Principle with Dunkl Weights	Room 2.2, Building A1
10h45 - 11h05	Đương Quốc Huy	Sharp inequalities between mean quantities via convexity and applications	
11h05 - 11h25	Nguyễn Văn Phong	Hardy Inequalities Associated with a Pair of Bessel Functions for the Dunkl Operator	
11h25 - 11h55	Nguyễn Ngọc Huệ	New super-additivity inequalities for Jensen and Mercer functionals related to (p, h)-convex functions	
Afternoon Session I: 14h00 - 15h20			
Chair: Nguyễn Tuấn Duy			
Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Đào Văn Dương	On the Hausdorff operator on p-adic fields	
14h20 - 14h40	Nguyễn Thị Thanh Lý	The stability of general mixed-type functional equations in quasi-β-Banach spaces	
14h40 - 15h00	Đoàn Thị Thúy Vân	Multiple-term refinements and reverses of real power form for Young-type inequalities via weak submajorization type theorem	
15h00 - 15h20	Bùi Ngọc Mười	Characterizations of surjective isometries with finite spectrum	
15h20 - 15h35: COFFEE BREAK			Room 2.3, Building A1
Afternoon Session II: 15h35 - 17h00			

<i>Chair: Lê Thị Phương Ngọc</i>			
Time	Speaker	Presentation Title	Venue
15h35 - 15h55	Hiroyuki Osaka	Denseness of a subclass of norm attaining operators with invariant subspaces	
15h55 - 16h15	Trương Hồ Thiên Long	New Quantum Divergences Associated with Monotone Functions and Weighted Wasserstein Means	
16h15 - 16h35	Lưu Đăng Khoa	Diagonal frame decomposition for the backward fractional heat problem	
16h35-16h55	Huỳnh Thanh Toàn	Amplitude Shifts in Fast Dissipative Collisions of Multidimensional Gausson	
24 AUGUST 2026			
Morning Session: 9h35 - 12h00			
<i>Chair: Nguyễn Văn Giang</i>			
Time	Speaker	Presentation Title	Venue
09h35 - 09h55	Sagata Ram	H-Toeplitz operators on the generalized derivative Hardy space $S_{\alpha,\beta}^2(D)$	Room 2.2, Building A1
09h55 - 10h15	Trần Nam Sơn	On the range of maps induced by entire functions	
10h15 - 10h35	Lê Hữu Kỳ Sơn	Solvability and Dynamical Properties of Solutions for a Swelling Porous Elastic System	
10h35 - 10h55	Nguyễn Tuấn Tài	A General Class of Nonlinear Functional Integral Equations: Existence and Qualitative Properties of Solutions	
10h55 - 11h15	Vương Trung Dũng	Polar paths for generalized quantum fidelities	
11h15 - 11h35	Lê Thị Phương Ngọc	Existence and Multiplicity of Positive Solutions for a First-Order Ordinary Differential System with Multipoint and Nonlinear Integral Boundary Conditions	
11h35 - 11h55	Trần Đình Phụng	On some new results for nonlinear fractional integro-differential equations	
Afternoon Session I: 14h00 - 15h20			
<i>Chair: Đào Văn Dương</i>			
Time	Speaker	Presentation Title	Venue
14h00 - 14h25	Võ Ngọc Minh	Feedback Control Systems in Banach Spaces with Caputo–Hadamard Fractional Derivative	Room 2.2, Building A1
14h25 - 14h50	Nguyễn Văn Giang	Approximate solutions to the backward-in-time problem for the Schrödinger equation with a time-fractional derivative	
15h20-15h35: COFFEE BREAK			Room 2.3, Building A1

**SESSION PROGRAM: OPTIMIZATION, SCIENTIFIC COMPUTING AND MATHEMATICAL FOUNDATIONS OF COMPUTER
SCIENCE;
PROBABILITY, STATISTICS AND FINANCIAL MATHEMATICS**
The 6th International Conference on Mathematics in Central Vietnam and the Central Highlands, 2026

ROOM 1

23 AUGUST 2026			
Morning Session: 10h25 - 12h00			
<i>Chair: Tạ Quang Sơn</i>			
Time	Speaker	Presentation Title	Venue
10h25 - 10h55	Do Sang Kim	Robust minimax and multiobjective optimization problems	Room 3.1, Building A1
10h55 - 11h25	Gue Myung Lee	Existence theorems and optimality theorems for matrix optimization problems	
11h25 - 11h55	Nguyễn Văn Tuyên	Second-order optimality conditions for sparse differentiable optimization problems via limiting second-order subdifferential	
Afternoon Session I: 14h00 - 15h20			
<i>Chair: Do Sang Kim</i>			
Time	Speaker	Presentation Title	Venue
14h00 - 14h30	Alexander Kruger	Sequential extremal principle and optimality conditions	Room 3.1, Building A1
14h30 - 15h00	Jein-Shan Chen	Smoother functions for sparse optimization: a unified framework	
15h00 - 15h20	Gwi Soo Kim	On approximate solutions for linear fractional optimization problems on Euclidean Jordan algebras	
15h20 - 15h35: COFFEE BREAK			Room 3.3, Building A1

Afternoon Session II: 15h35 - 17h00			
Chair: Nguyễn Văn Tuyên			
Time	Speaker	Presentation Title	Venue
15h35 - 16h05	Tạ Quang Sơn	Some results on componentwise infimal convolution in multiobjective optimization	Room 3.1, Building A1
16h05 - 16h25	Hoàng Ngọc Tuấn	Global error bounds for nonmonotone affine variational inequalities	
16h25 - 16h45	Võ Đức Thịnh	Explicit relative coderivative formulas for polyhedral normal cone mappings with application	
24 AUGUST 2026			
Morning Session: 9h35 - 12h00			
Chair: Phạm Tiến Sơn			
Time	Speaker	Presentation Title	Venue
9h35 - 10h05	Feng Guo	Non-SOS Positivstellensätze for semi-algebraic sets defined by polynomial matrix inequalities	Room 3.1, Building A1
10h05 - 10h35	Xinxin Li	A Frank–Wolfe type theorem under convexity at infinity	
10h35 - 11h05	Liguo Jiao	Exact penalty functions in semi-algebraic optimization with unbounded constraint sets	
11h05- 11h15: COFFEE BREAK			
Chair: Alexander Kruger			
11h15 - 11h35	Trần Văn Nghị	Existence of solutions to nonconvex quadratic bilevel programming problems	
11h35 - 11h55	Nguyễn Hữu Quang	Determining whether two hypersurfaces intersect	
Chair: Trần Ngọc Tâm			
Time	Speaker	Presentation Title	Venue
14h00 - 14h20	Võ Sỹ Trọng Long	Stability analysis of generalized K-center and multi-scourse Weber problems	Room 3.1, Building A1
14h20 - 14h40	Nguyễn Văn Bồng	Solving the Tikhonov Regularization of the Total Least Squares Problem by matrix simultaneous diagonalization via congruence	
14h40 - 15h00	Phan Ngọc Quý	On the concept of Zolezzi well-posedness	
15h00-15h20	Phạm Mạnh Chính	On a modified approximate subgradient method for certain nonconvex Lipschitz problems	
15h20 - 15h35: COFFEE BREAK			Room 3.3, Building A1
Afternoon Session II: 15h35-17h00			
Chair: Võ Sỹ Trọng Long			
15h35-15h55	Lê Ngọc Kiên	A note on the error bound at infinity for nonconvex inequality systems via asymptotic analysis	Room 3.1, Building A1
15h55-16h15	Huỳnh Ngọc Cẩm	Constraint qualifications with respect to a set and their applications	
16h15-16h35	Vương Hoàng Ngọc Phụng	Existence and well-posedness conditions of vector quasi-equilibrium problems via improvement sets	
16h35-16h55	Trần Thanh Nam	Directional Derivatives of Infimal Convolution in the Exact Case	

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ROOM 2

23 AUGUST 2026

Morning Session: 10h25 - 12h00

Chair: Dương Văn Hải

Time	Speaker	Presentation Title	Venue
10h25 - 10h55	Nguyễn Thế Cường	TSVM and L-BFGS-B	Room 3.2, Building A1
10h55 - 11h15	Nguyễn Anh Vũ	The EPI Variational Principle and Dimensionality-Reduction Optimization Trajectories in Human–Machine Interaction	
11h15 - 11h35	Dương Bảo Ninh	A Mathematical Model for Missing Signal Estimation and Weighted-Distance-Based Localization: Application to Wi-Fi Indoor Positioning Systems	
11h35-11h55	Trần Thiên Ân	Galois hulls and quantum applications of split repeated-root cyclic codes of length ℓ_{ps}	

Afternoon Session I: 14h-15h20

Chair: Trần Văn Nghị

Time	Speaker	Presentation Title	Venue
14h00 - 14h30	Dương Xuân Giáp	Some strong laws of large numbers for arrays of single-valued and set-valued random variables under the compact uniform integrability condition	Room 3.2, Building A1
14h30 - 15h00	Lakshay Saini	A stochastic regenerative framework for joint reliability and energy dynamics modeling in MULTI-UAV system	
15h00 - 15h20	Nguyễn Thị Thế	A Note on Khasminskii's Stochastic Stability Theorem	
15h20 - 15h35: COFFEE BREAK			Room 3.3, Building A1

Afternoon Session II: 15h35 - 17h05			
Chair: Dương Xuân Giáp			
Time	Speaker	Presentation Title	Venue
15h35 - 16h05	Vũ Tiến Việt	Some Non-Probability Problems Solved Using Probability Theory	Room 3.2, Building A1
16h05 - 16h25	Nguyễn Anh Triết	From Scientific Literature to Semiconductor Materials: A Controlled Multi-Agent AI System for Accelerating Microelectronic Materials Discovery	
16h25-16h45	Nguyễn Anh Vũ	Establishing a Unified Axiomatic System in Metrology Using the Variational Principle of Manifold Gaps	
24 AUGUST 2026			
Morning Session: 9h35 - 12h00			
Chair: Vũ Tiến Việt			
9h35 - 10h05	Nguyễn Anh Vũ	An Extended Nesbitt Inequality and Its Application to Large Language Model Evaluation	
10h05 - 10h35	Lê Hoàng Phúc	Mathematical aspects of Variational Quantum Circuits	
10h35 - 11h05	Nguyễn Khải Hoàn	Quantum Divergence Induced by the Young Gap: Commutative Barycenter Theory and a Conditional Petz Variational Extension	