

No: /TB-DHPY

Phu Yen, January 30th, 2024

ANNOUNCEMENT No.1
ON THE ORGANIZATION OF THE INTERNATIONAL CONFERENCE
“SINGULARITIES AND ALGEBRAIC GEOMETRY”

Respectfully addressed to:.....

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The series of international conferences “Singularities and Algebraic Geometry” Phu Yen University is pleased to announce the International Mathematics Conference "Singularity Theory and Algebraic Geometry" was organized at the first time in Tuan Chau in 2017, and has been maintained continuously since then. Its purpose is to motivate the study of modern topics in singularity theory and algebraic geometry in Vietnam, which are inspired by invited international experts. In 2024, the conference will be organized in Phu Yen University. With the agreement of Phu Yen People's Committee in the Official dispatch No. 609/UBND-KGVX date 29th January 2024, we are pleased to announce the International Mathematics Conference: “Singularities and Algebraic Geometry”.

I. Conference Information

1. Time and location

- Time: From March 18th to 22nd, 2024

- Location: Phu Yen University, No. 01 Nguyen Van Huyen, Ward 9, Tuy Hoa city, Phu Yen province, Vietnam.

2. Destinations for visit, survey

Scientists, educators and conference participants have a day to visit and survey some famous relics and tourist attractions in Phu Yen province.

3. Method of organization

Conference will be held in offline.

4. Hosts of Conference

Host agency: Phu Yen University

Co-host agency: Institute of Mathematics Vietnam Academy of Science and Technology

II. Conference topics and program

1. Topics

We would like to focus on:

- Latest research results on motivic integrals: Milnor motivic grain, cohomology of connected locus, correspondingly Motivic McKay; mixed Hodge structure, mixed Hodge modulus on Milnor grain, Hodge spectrum of special non-degenerate

singularities, hyperplane arrangement, polynomial optimization, Lipschitz geometry and global Lipschitz geometry of special spaces, Research in low-dimensional topology, classification and properties of low-dimensional manifolds, some other problems in commutative algebra and algebraic geometry with applications in singularity theory;

- Combinatorial methods, topology, complex geometry, toroidal geometry, real algebraic geometry, o-minimal geometry, non-Arcsimian geometry, singularity solution, mixed Hodge structure theory, mixed internal Hodge module study the Milnor grain of a singular point of an algebraic manifold; Lojaszewicz inequality, optimization theory;

- Other related topics in bi-Lipschitz geometry, commutative algebra, and classical algebraic geometry.

2. Conference program

- March 18th, 19th, 21st, and 22nd 2024: Plenary sessions

- March 20th 2024: Visit some famous destinations in Phu Yen province

- Speakers are invited by the Organizing Committee according to the proposal of the Program Board. The full list of invited speakers is published in Announcement No. 02.

III. Conference Registration

1. Fee

- Registration fee: None.

- Participants pay their own travel, accommodation and sightseeing expenses.

2. Contact

- General information: Associate Prof., Dr. Le Quy Thuong; email: leqthuong@gmail.com; Mobile phone: +84 904188213

- Local information: MS. Nguyen Thi Thao Linh; email: nguyenthithao linh@pyu.edu.vn; Mobile phone: +84 899936068

- Conference information & Registration at website: <https://sites.google.com/dlu.edu.vn/sag2024/home>

The Conference Organizing Committee respectfully invites mathematicians, lecturers, students, graduate students to attend the Conference. We look forward to receiving the cooperation and sponsorship of agencies, schools, institutes and the enthusiastic as well as the active participation of delegates./.

Recipient:

- As Above;

- Filed in: Admin, SM&CIO.

**ON BEHALF OF
THE ORGANIZER COMMITTEE**

**RECTOR OF PHU YEN UNIVERSITY
Dr. Tran Lang**

