VIASM
VIETNAM INSTITUTE FOR ADVANCED STUDY IN MATHEMATICS

# Program

## Minicourse: Around some Connections between Convex Geometry and Algebraic Geometry

| Time | Title | Speaker/ Lecturer |
|---|---|---|
| ***Monday, June 22, 2026*** | | |
| 08:30 – 09:00 | Registration | |
| 09:00 - 09:10 | Opening ceremony | Prof. Le Minh Ha |
| 09:10 – 10:00 | Lecture 1: Hilbert–Samuel multiplicity I | Prof. Nguyen-Bac Dang |
| 10:00 - 10:30 | Teabreak | |
| 10:30 - 11:20 | Lecture 2: Hilbert–Samuel multiplicity II | |
| 11:20 - 14:00 | Lunch | |
| 14:00 - 14:50 | Lecture 3: Mixed covolumes in convex geometry I. | |
| 14:50 - 15:20 | Teabreak | |
| 15:20 - 16:10 | Lecture 4: Mixed covolumes in convex geometry II. | |
| ***Tuesday, June 23, 2026*** | | |
| 09:00 – 09:50 | Lecture 5: Khovanskii theorem and Newton polygons I | Prof. Nguyen-Bac Dang |
| 09:50 - 10:20 | Teabreak | |
| 10:20 - 11:10 | Lecture 6: Khovanskii theorem and Newton polygons II | |
| 11:10 - 14:00 | Lunch | |
| 14:00 - 14:50 | Lecture 7: Alexandrov–Fenchel inequalities and log-convexity. | |
| 14:50 - 15:20 | Teabreak | |
| 15:20 - 16:10 | Lecture 8: Complex geometry vs convex geometry. | |

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