



The Abdus Salam  
**International Centre  
for Theoretical Physics**



# School on Quantum Topology and Hyperbolic Geometry

## DESCRIPTION:

This school is organised by Vietnam Institute for Advanced Study in Mathematics, in partnership with the Clay Mathematics Institute.

## MORE INFORMATION:

The program consists of two parts: the conference “Quantum Topology and Hyperbolic Geometry”, which will be held from June 2 to 6, 2025, followed by the summer school from June 9 to 13, 2025. The conference will be held in Phu Quoc island, Vietnam. For more information, please visit: <https://viasm.edu.vn/hdkh/Conf-Topo-Geo-2025>

The school will feature 5 minicourses (around five hours each) and 3-4 problem sessions. The morning minicourses will be accompanied by afternoon brainstorm sessions. For more information, please visit: <https://viasm.edu.vn/hdkh/School-Topo-Geo-2025>

The goal of this conference and school is to introduce graduate students, advanced undergraduate students, young researchers, and interested mathematicians in Vietnam, Southeast Asia, and other countries in Asia, to the basics of quantum topology and its connection to many branches of mathematics, including low-dimensional topology, representations of quantum groups, combinatorics, and in particular hyperbolic geometry. It will also introduce the audience to applications of quantum topology to various areas of mathematics.

## CLAY LECTURER:

Ciprian Manolescu  
Stanford University, USA

## PRINCIPAL LECTURERS:

Francis Bonahon  
University of Southern California, USA  
Francois Costantino  
University of Toulouse, France  
Ingrid Irmer  
Southern University of Science and Technology, China  
Ciprian Manolescu  
Stanford University, USA  
Garoufalidis Stavros  
SUSTech International Center for Mathematics, China

## BRAINSTORM LEADERS:

Vu Huynh  
VNU-HCM University of Science, Vietnam  
Dionne Ibarra  
Monash University, Australia  
Andrew Kricker  
Nanyang Technological University, Singapore  
Thang Tu-Quoc Le,  
Georgia Institute of Technology, USA  
Hanh Vo  
Arizona State University, USA



**9 - 13 June 2025**



**Hanoi, Viet Nam**



**Deadlines:  
15 March 2025**

## DIRECTORS:

Le Minh Ha  
Vietnam Institute for Advanced Study in Mathematics, Vietnam  
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## ICTP SCIENTIFIC CONTACT:

Claudio Arezzo, ICTP, Italy

## GRANTS:

A limited number of grants are available to support the attendance of selected participants to the summer school, with priority given to participants from developing countries.

## TO SUBMIT YOUR APPLICATION:



Web: <https://indico.ictp.it/event/10840/>

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Female scientists are encouraged to apply.

