



**ICMU**

INTERNATIONAL CENTRE  
FOR MATHEMATICS  
IN UKRAINE



ICMU SUMMER SCHOOL

# OPERATOR ALGEBRAS, QUANTUM GROUPS AND QUANTUM INFORMATION THEORY

4-10 August 2024

**VENUE**

Khata - Maysternya, Babyn village, Ivano-Frankivsk Region, Ukraine

Operator algebras serve as a natural setting for the description of non-commutative phenomena in analysis and provide a large part of mathematical formalism of quantum physics. In particular, the past decade has witnessed a burst of interactions between operator algebras, quantum information theory and quantum groups. The school will introduce participants to the basic techniques of operator algebras and quantum groups and their fascinating links to quantum information theory through non-local games.

**LECTURERS**

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INFORMATION AND APPLICATION

**mathcentre.in.ua**

deadline 30 April 2024