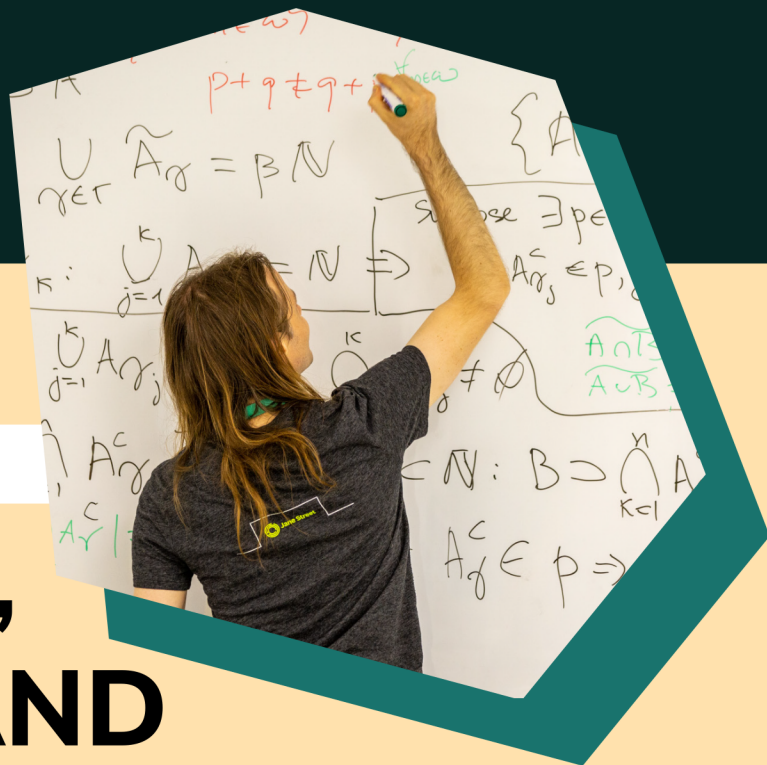




**ICMU**

INTERNATIONAL CENTRE  
FOR MATHEMATICS  
IN UKRAINE



ICMU SUMMER SCHOOL

# PROBABILITY, GEOMETRY, AND MACHINE LEARNING

14-21 July 2024

**VENUE** Ukrainian Catholic University (UCU), Lviv, Ukraine

The school is going to introduce participants to problems and techniques that lie at the rich interface of high-dimensional probability, convex geometry, and statistical machine learning. Theoretical foundations of machine learning are based on high-dimensional probability, an area guided by geometric insight.

**LECTURERS**

- Károly BÖRÖCZKY, *Alfréd Rényi Institute of Mathematics*
- Shahar MENDELSON, *Australian National University*
- Piotr NAYAR, *University of Warsaw*
- Mark RUDELSON, *University of Michigan*

**ORGANISERS**

- Galyna LIVSHYTS, *Georgia Tech*
- Andriy PRYMAK, *University of Manitoba*
- Kateryna TATARKO, *University of Waterloo*
- Roman VERSHYNIN, *University of California, Irvine*
- Vlad YASKIN, *University of Alberta*
- Tetyana ZAKHARCHENKO, *Ukrainian Catholic University*



INFORMATION AND APPLICATION

[mathcentre.in.ua](https://mathcentre.in.ua)

deadline 30 April 2024

