



**LEARNED SOCIETY**  
OF THE CZECH REPUBLIC

The Learned Society of the Czech Republic  
cordially invites academic public to the fifth Bernard Bolzano Lecture:

# HUGO DUMINIL-COPIN

**Fields Medal awardee**

University of Geneva and Institut des Hautes Études Scientifiques  
in Bures-sur-Yvette

## CRITICAL PHENOMENA THROUGH THE LENS OF THE ISING MODEL

Wednesday **16 April 2025**, 2 p.m.

The Blue Hall of the Rectorate of the Charles University  
Celetná 20, Prague 1



The Ising model is one of the most fundamental lattice models in statistical physics, known for exhibiting phase transitions. Originally conceived as a model for ferromagnetism, it has since emerged as a remarkably rich mathematical framework and a powerful theoretical tool for understanding cooperative phenomena. Over the past century, extensive research has led to a profound understanding of its critical phase. In this talk, we will provide an overview of key developments in the study of this foundational model while offering broader insights into statistical physics.

