

**ICMU**INTERNATIONAL CENTRE
FOR MATHEMATICS
IN UKRAINE

ICMU SUMMER SCHOOL

27 July – 5 August 2026

LINKS, BRAIDS, AND DIFFEOMORPHISMS OF SURFACES

VENUE

“Podillia” recreation centre, Sataniv, Khmelnytskyi region, Ukraine

Applications of links, braids, and diffeomorphisms of surfaces play a key role in many areas of mathematics, physics, chemistry, biology, cryptography, and other natural sciences. This school will introduce participants to knot theory and geometric topology and is tailored for bachelor and master students.

LECTURE COURSES

Basics of algebraic topology

Taras Banakh, Ivan Franko National University of Lviv

Alexander polynomials and fibered knots

Stefan FRIEDL, Regensburg University, Germany,
LMS Distinguished Visiting Fellow at ICMU

Braid groups and their applications

Jarek KEDRA, University of Aberdeen, Scotland

Diffeomorphisms of surfaces

Sergiy MAKSYMENKO, Institute of Mathematics of NAS of Ukraine

From Morse theory to Reeb graphs: topology
through critical points.

Łukasz MICHALAK, Adam Mickiewicz University, Poznań, Poland

ORGANISERS

Taras BANAKH, Ivan Franko National University of Lviv

Stefan FRIEDL, Regensburg University, LMS DVF at ICMU

Olena KARLOVA, Yuriy Fedkovych Chernivtsi National University

Sergiy MAKSYMENKO, Institute of Mathematics of NAS of Ukraine



INFORMATION AND APPLICATION

ICMU.UA

deadline 15 April 2026

