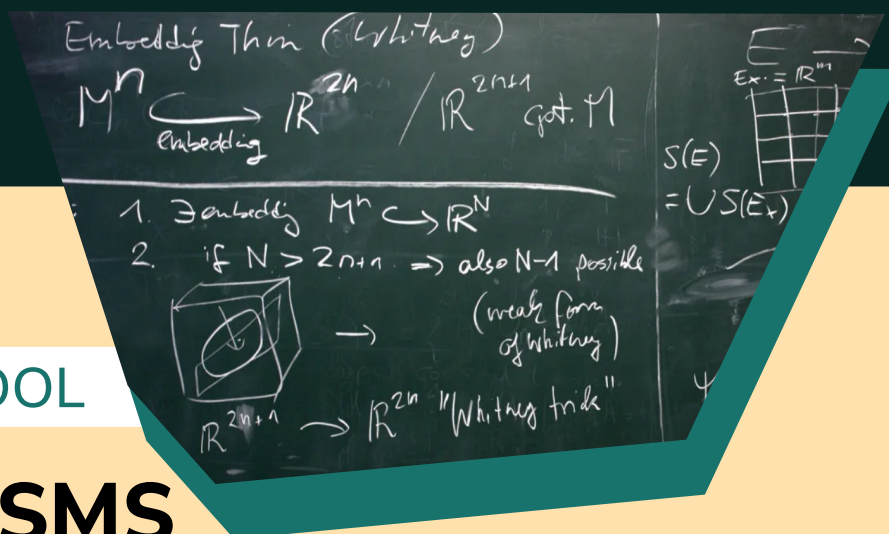


**ICMU**INTERNATIONAL CENTRE
FOR MATHEMATICS
IN UKRAINE

ICMU SUMMER SCHOOL

AUTOMORPHISMS AND EMBEDDINGS OF MANIFOLDS

28 July - 2 August 2025

VENUE

Ukrainian Catholic University (UCU), Lviv, Ukraine

The aim of this school is to present the basic tools from manifold theory and algebraic topology that allow one to study automorphism groups of manifolds. In the 70's a general theory of automorphism groups of manifolds was developed but it involves relatively heavy machinery such as smoothing and surgery theory. We aim to present a path into the field that keeps the machinery relatively light-weight. This involves studying diffeomorphisms by how they act on submanifolds, i.e. we will study spaces of embeddings or "knot theory in the large."

LECTURE SERIESGregory ARONE, *University of Stockholm*Ryan BUDNEY, *University of Victoria*Stefan FRIEDL, *University of Regensburg*Sergiy MAKSYMENKO, *Institute of Mathematics
of NAS of Ukraine*Michael WEISS, *University of Münster***ORGANISERS**Taras BANAKH, *Ivan Franko Lviv National University*Ryan BUDNEY, *University of Victoria*Kaveh EFTEKHARINASAB, *NAS of Ukraine*Rostyslav HRYNIV, *Ukrainian Catholic University*Sergiy KOZERENKO, *Kyiv School of Economics*Sergiy MAKSYMENKO, *NAS of Ukraine*

INFORMATION AND APPLICATION

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