



ICMU

INTERNATIONAL CENTRE
FOR MATHEMATICS
IN UKRAINE

24–28 August 2026

INTERNATIONAL CONFERENCE ON APPLIED MATHEMATICS

MATHEMATICS FOR THE REAL WORLD

PLENARY LECTURES

ANNA NAGURNEY (Amherst) **Networks, Supply Chains, and Variational Inequalities**
MARYNA VIAZOVSKA (Lausanne) **Formal and Informal Mathematics of Sphere Packing**

MATHS IN BIOLOGY

FABIAN FREUND (Leicester), ASGER HOBOLTH (Aarhus), VALERIE ISHAM (London), JULIA PALACIOS (Stanford)

MATHS IN QUANTUM COMPUTATIONS

JØRGEN ELLEGAARD ANDERSEN (Odense), AARON LAUDA (Los Angeles), STEVEN RAYAN (Saskatoon), MINGSHENG YING (Ultimo)

MATHS IN DATA SCIENCE

CYNTHIA RUSH (New York), JANE-LING WANG (Davis), HAU-TIENG WU (New York), JASON XU (Los Angeles)

MATHS IN FINANCE

ALEXANDER GNEDIN (London), OLEKSII MOSTOVYI (Mansfield), JAN OBLOJ (Oxford), MYKHAYLO SHKOLNIKOV (Pittsburgh)

MATHS IN MACHINE LEARNING

SERGE BELONGIE (Copenhagen), MARIA HAN VEIGA (Columbus), PETER ORBANZ (London), RITABRATA 'RITO' DUTTA (Coventry)

MATHS IN QUANTUM THEORY

ERIK AURELL (Stockholm), ENRICO BREHM (Hamburg), PAWEŁ HORODECKI (Gdańsk), KAROL ŻYCZKOWSKI (Kraków/Warsaw)

MATHS IN CRYPTOGRAPHY

STEFAN DZIEMBOWSKI (Warsaw), SASHA LAPIHA (London), BRICE MINAUD (Paris), YEVHEN PEREHUDA (Bochum)

MATHS IN QUANTUM CRYPTOGRAPHY

GIULIO MALAVOLTA (Milan), DOMINIQUE UNRUH (Tartu)

SPECIAL SESSION

26 August 2026

OLEKSII KUCHAIEV (Senior Director of Applied Research, NVIDIA) **AI in Practice**
MYKOLA MAKSYMENKO (Co-Founder & CTO, Haiqu) **Quantum Computations in Practice**
Panel Discussion **MATHS-DRIVEN INNOVATIONS**

ORGANISERS

KHRYSTYNA
GNATENKO (Lviv)

ANNA
LYSYANSKAYA (Providence)

ALEXANDER
MARYNYCH (Kyiv)

VOLODYMYR
MININ (Irvine)

VENUES

ICMU Working Space (Kyiv) and the Centre for Quantum Mathematics (Odense)



INFORMATION AND REGISTRATION

icmu.ua

SDU
University of
Southern Denmark

QM CENTRE FOR
QUANTUM MATHEMATICS
SDU