

COMPLEX ALGEBRAIC GEOMETRY, TROPICAL GEOMETRY, PHYSICS AND BEYOND

May 7 - 13, 2023

Xiamen University Malaysia

ABOUT THE WORKSHOP

Recent breakthroughs in algebraic and tropical geometry have found interesting results in different fields of mathematics and physics. In mathematics, we reduce hard problems in algebraic geometry to simpler combinatorial questions, solve the resulting combinatorics, then convert back to the original problems for an answer. There are also plenty of untapped potential in providing new insights and applications in statistical mechanics, quantum mechanics, and possibly relativity. The aim of this workshop is to bring together mathematicians and physicists in the field to explore these exciting new ideas, as well as introduce recent advances to researchers and students alike.

INVITED SPEAKERS

JIN CHEN

Xiamen University, China

ILIA ITENBERG

IMJ Paris Sorbonne, France

GRIGORY MIKHALKIN

Université de Genève

TIMUR SADYKOV

Plekhanov Russian A.E., Russia



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