



22th International Conference named after A. F. Terpugov

INFORMATION TECHNOLOGIES AND MATHEMATICAL MODELLING

December 4-9, 2023

CERTIFICATE OF THE PARTICIPANT

confirms offline participation in the International Conference ITMM'23

KHALIULLINA ALINA

Tomsk State University

with a report on the topic

**METHODS OF CONSTRUCTING OPTICAL MODELS
OF THE ATMOSPHERE**

Chairs of the Organizing Committee

Ekaterina Fedorova

Ival Lapatin

Two handwritten signatures in blue ink. The first signature is on the left, and the second is on the right, positioned above the name "Ival Lapatin".