



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

TYULENINA YANA

Tomsk State University

with a report on the topic

**STUDY OF A QUEUEING SYSTEM OF $M|M|\infty$ TYPE
WITH SERVICE UNIT SWITCHING**

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, partially overlapping the first.