CONSTRUCTOR UNIVERSITY

Consistent Scalable Processing of Data Streams in a Distributed Environment

by

Artem Trofimov

a Thesis submitted in partial fulfillment
of the requirements for the degree of

Doctor of Philosophy
in Computer Science

Approved Dissertation
Committee

Prof. Dr. Alexander Omelchenko,
Constructor University

Prof. Dr. Timofey Bryksin,
Constructor University

Prof. Dr. Vincenzo Gulisano,
Chalmers University of Technology

Prof. Dr. Boris Novikov,
Independent Researcher

Date of Defense: 04.06.2025

School of Computer Science & Engineering