

The 5th International Siberian Scientific Workshop on
Data Analysis Technologies with Applications
SibDATA-2025

October 17, 2025

Krasnoyarsk

ICM SB RAS, Room 434
Local time

14:50	Opening Ceremony
15:00 – 15:15	<p>Viktoriya Petrakova <i>Institute of Computational Modelling SB RAS, Krasnoyarsk</i></p> <p>ABOUT PRIMARY ANALYSIS OF TIME SERIES OF FIELD MEASUREMENTS AND NON-STATIONARITY CONCEPT</p>
15:15 – 15:30	<p>Oleg Monakhov (Speaker), Emilia Monakhova <i>Institute of Computational Mathematics and Mathematical Geophysics SB RAS, Novosibirsk</i></p> <p>MINING ANALYTICALLY DEFINED FAMILIES WITH PERIODIC PATTERNS FOR CHORDAL RING NETWORKS DEVELOPED USING LLMS</p>
15:30 – 15:45	<p>Anton Mikhalev, Dmitry Veselovsky (Speaker), Tatiana Penkova, Lyudmila Nozhenkova <i>Institute of Computational Modelling SB RAS, Krasnoyarsk</i></p> <p>APPLICATION OF RECURRENT NEURAL NETWORKS TO PREDICT TECHNOLOGICAL DISRUPTIONS IN THE ALUMINUM PRODUCTION</p>
15:45 – 16:00	<p>Elena Makarova, Vitaly Martynov, Elvira Gabdullina, Nataliya Khasanova, Artur Kartashev (Speaker), Nikolay Rovneyko <i>Ufa University of Science and Technology, Ufa</i></p> <p>PRINCIPAL COMPONENT ANALYSIS OF DATA ON DEMOGRAPHIC PROCESSES IN RUSSIAN REGIONS</p>
16:00 – 16:15	<p>Valeriy Nicheporchuk, Tatiana Penkova, Svetlana Kobyzhakova <i>Institute of Computational Modelling SB RAS, Krasnoyarsk</i></p> <p>TECHNOLOGY OF DIGITAL TRANSFORMATION OF THE TERRITORIAL SAFETY MANAGEMENT</p>

<p>16:15 – 16:30</p>	<p>Elena Makarova, Vitaly Martynov, Elena Zakieva, Elvira Gabdullina, Nataliya Khasanova, Nikita Ponomarev (Speaker) <i>Ufa University of Science and Technology, Ufa</i></p> <p>PRINCIPAL COMPONENT ANALYSIS OF DATA WHEN PROCESSING REQUESTS FOR SOLVING COMPUTER PROGRAM SUPPORT TASKS</p>
<p>16:30 – 16:45</p>	<p>Maxim Masyuk, Mikhail Dorrer (Speaker) <i>Reshetnev Siberian State University of Science and Technology, Krasnoyarsk</i></p> <p>ANALYSIS AND OPTIMIZATION OF CROSS-CUTTING PROCESSES OF AN EDUCATIONAL INSTITUTION USING A DIGITAL DOUBLE BASED ON PROCESS MINING METHODS</p>
<p>16:45 – 17:00</p>	<p>Anatolyevna Makarova, Vitaly Martynov (Speaker), Elena Zakieva, Julia Egorova, Oleg Shiryaev <i>Ufa University of Science and Technology, Ufa</i></p> <p>TECHNOLOGY OF DATA ANALYSIS OF SCIENTOMETRIC DATABASES IN APPLICATION TO ENTERPRISE ARCHITECTURE MANAGEMENT</p>
<p>17:00 – 17:15</p>	<p>S. Ravi Kishan, Maddela Chahna Monica, Pothamsetty Dhanush, Eswar Nimmaka (Speaker) <i>Velagapudi Ramakrishna Siddhartha Engineering College Vijayawada, India</i></p> <p>IOT-BASED REAL-TIME HEARING LOSS EVALUATION AND MONITORING APPLICATION</p>
<p>17:15</p>	<p>Closing Ceremony</p>