"Analysis and Applied Mathematics"
Weekly Online Seminar

Seminar leaders:
Prof. Allaberen Ashyralyev (BAU, Istanbul),
Prof. Michael Ruzhansky (UGent, Ghent),
Prof. Makhmud Sadybekov (IMMM, Almaty)

Date: **Tuesday, November 5, 2024**
Time: 14.00-15.00 (Istanbul) = 13.00-14.00 (Ghent) = 16.00-17.00 (Almaty)

Zoom link: https://us02web.zoom.us/j/6678270445?pwd=SFNmQUIvT0tRaHlDa-VYrN3l5bzJVQT09, **Conference ID:** 667 827 0445, **Access code:** 1

Speaker:

Prof. Dr. Andrey B. Muravnik

RUDN University, Moscow, Russia

Title: **Cauchy Problem for Parabolic Differential-Difference Equations**

Abstract: For parabolic differential-difference equations, the Cauchy problem with bounded initial-value functions is investigated. Its unique solvability is established, integral representations of its solutions are constructed, and (asymptotic) closeness (in particular, stabilization) theorems are proved for those solutions.

Biography:
Andrey Borisovich Muravnik graduated with honors from the Applied Mathematics and Mechanics Faculty of the Voronezh State University (1983, Voronezh). He defended his dissertations for the degree of Candidate of Physical and Mathematical Sciences (1986, VSU) and Doctor of Physical and Mathematical Sciences (2011, RUDN University) — both majoring in Differential Equations. Since 2022, he is the director of the S. M. Nikol'sky Mathematical Institute of the RUDN University.