Bahçeşehir University, Istanbul, Turkey
Analysis & PDE Center, Ghent University, Ghent, Belgium
Institute Mathematics & Math. Modeling, Almaty, Kazakhstan

"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, March 21, 2023**
Time: 14.00-15.00 (Istanbul) = 12.00-13.00 (Ghent) = 17.00-18.00 (Almaty)

Place: Meeting room of Faculty of Engineering and Natural Sciences, Bahçeşehir University, D-415

Zoom link: https://us02web.zoom.us/j/6678270445?pwd=SFNmQUIvT0tRaH-lDaVYrN3l5bzJVQT09, **Conference ID:** 667 827 0445, **Access code:** 1

Speaker:
Prof. Dr. Azimbay Sadullaev
National University of Uzbekistan, Uzbekistan

Title: **An analogue of the Bernstein Walsh theorem on a Parabolic manifold**

Abstract: The classical Bernstein-Walsh theorem refers to the approximation of holomorphic functions by polynomials in the complex plane. In the multidimensional case, it was proved by J. Sichak (1962). The study of analytic functions on parabolic manifolds is currently an urgent problem and is the subject of research by many mathematicians (Stoll, Griffiths-King, Aytuna, Sadullaev, Zeriahi and others).
This talk is devoted to the proof of analogue of the Bernstein-Walsh theorem on a parabolic manifold. The proof uses a new method, the embedding of a compact and parabolic manifold into a complex space of high dimension.

Biography:
Azimbay Sadullaev is an Academician and Head of the Department of Mathematical Analysis of the National University of Uzbekistan.