

Bahçeşehir University, Istanbul, Türkiye
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, October 7, 2025**

Time: 15.00-16.00 (Istanbul) = 14.00-15.00 (Ghent) = 17.00-18.00 (Almaty)

Zoom link: <https://us02web.zoom.us/j/6678270445?pwd=SFNmQUlVTDtRaHlDa-VYrN3I5bzJVQT09>, **Conference ID:** 667 827 0445, **Access code:** 1

Speaker:

Prof. Dr. Adolf Mirotin

Francisk Skorina Gomel State University, Belarus

Title: **Functions of continuous Cesáro operators**

Abstract: We describe holomorphic functions and fractional powers of continuous Cesáro operators in $L^2(\mathbb{R})$, $L^2(\mathbb{R}_+)$, and $L^2[0,1]$. Logarithms of Cesáro operators are introduced as well and their spectral properties are studied.

Biography:

Adolf Mirotin received his Master's degree in Mathematics in 1974 from the Gomel State University, Belarus, the Ph. D. degree in Mathematics in 1985 from the Voronezh State University, Russia, and Dr. of Science degree in Mathematics in 2001 from the Belorussian State University, Belarus. He is currently a full Professor at the Department of Mathematics and Programming Technologies, Francisk Skorina Gomel State University. His current research interests include Harmonic Analysis and Operator Theory.