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, September 23, 2025**
Time: 15.00-16.00 (Istanbul) = 14.00-15.00 (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=SFNmQUIvT0tRaHlDa-VYrN3l5bzJVQT09, **Conference ID:** 667 827 0445, **Access code:** 1

Speaker:

Assoc. Prof. Dr. Farida Belhannache
University of Jijel, Algeria

Title: **On the stability of a system of two hyperbolic equations with integral conditions**

Abstract: In this presentation, we consider a system of two hyperbolic equations with a Bessel operator and weighted integral conditions. We use a non traditional multiplier method to establish a decay result of solutions.

Biography:
Farida Belhannache received her Bachelor's degree in Mathematics in 2001, the Master's degree in Mathematics in 2004, and the Ph.D. degree in Mathematics in 2017, all from the University of Jijel, Algeria. She is currently an Associate Professor at the Department of Mathematics, Jijel University. Her current research interests include investigating the well-posedness and stability of solutions to boundary value problems.