

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, March 5, 2024**

Time: 15.00-16.00 (Istanbul) = 13.00-14.00 (Ghent) = 18.00-19.00 (Almaty)

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

Zoom link: <https://us02web.zoom.us/j/6678270445?pwd=SFNmQUlVTD0tRaH-IDaVYrN3I5bzJVQT09>, **Conference ID:** 667 827 0445, **Access code:** 1

Speaker:

Prof. Dr. Guillermo P. Curbera

University of Seville, Spain

Title: **The finite Hilbert transform in $(-1,1)$**

Abstract: We present recent advances on the study of the finite Hilbert transform on $(-1,1)$. We study the action of the operator on rearrangement invariant spaces, considering inversion formulas, fine spectrum, and the action on the Zygmund space $LlogL$.

Biography:

Guillermo P. Curbera was born in Madrid (Spain) in 1961. He studied mathematics in Madrid, Sevilla and Kent (Ohio). He obtained his PhD in 1992 with a thesis entitled “The space of integrable functions with respect to a vector measure”. He is professor in Mathematical Analysis in the Universidad de Sevilla (Spain). His research interests are focused on function spaces, operators, measures and their combinations. He has been curator of the archives of the International Mathematical Union (Berlin) from 2007 to 2020. He is author of two books on history of mathematics.