



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, May 2, 2023**

Time: 12.00-13.00 (Istanbul) = 11.00-12.00 (Ghent) = 15.00-16.00 (Almaty)

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

Speaker:

Prof. Dr. Ahmet Okay Çelebi

Retired from the Yeditepe University, İstanbul - Turkey

Title: **Schwarz problem in a ring domain (joint work with Dr. Pelin Ayşe Gökgöz)**

Abstract: I want to talk about the solutions of the Schwarz boundary value problem which is one of the particular cases of Riemann - Hilbert problem. These type of problems are treated in simply connected, multiply connected and unbounded domains. Firstly we introduce the problem in the simplest case, then we continue to derive the solutions of polyanalytic equations. Lastly we choose the problems in a ring domain for higher order differential equations.

Biography:

Ahmet Okay Çelebi received Ph.D. from Ankara University, Turkey in 1967. He had positions at Ankara University (until 1984), Middle East Technical University (until 2006) and Yeditepe University (until 2018). He is now retired. In the last years he has been working on the boundary value problems for Complex Partial Differential Equations.