

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 1, 2022**

Time: 13.00-14.00 (Istanbul) = 11.00-12.00 (Ghent) = 16.00-17.00 (Almaty)

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

### Speaker:

**Prof. Dr. Sandra Pinelas**

*Military Academy, Amadora, Portugal*

Title: **Difference vs differential equations: asymptotic behavior**

Abstract: In this talk, we discuss the asymptotic behavior of a mixed type difference equation and we establish some conditions for the oscillatory behavior of the solutions. We will compare some results obtained with similar results of a differential equation and find some open problems to the oscillatory behavior of a differential equation of mixed type.

### Biography:

Sandra Pinelas obtained a PhD degree in Mathematical Analysis in 2007 from Azores University, Portugal. After completion of her studies, she had a position of an Asst. Prof. at Azores University. Since 2012 she has been working as a Professor at Military Academy – Amadora, Portugal. Her topics of research deal mostly with Difference and Differential Equations and Oscillatory Behavior. She has published over 150 scientific publications in international journals. She is an author of 1 book and an editor of 8 Springer’s Proceedings books.