

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, February 27, 2024**

Time: 14.00-15.00 (Istanbul) = 12.00-13.00 (Ghent) = 17.00-18.00 (Almaty)

Zoom link: <https://us02web.zoom.us/j/6678270445?pwd=SFNmQUlVt0tRaH-IDaVYrN3I5bzJVQT09>, **Conference ID:** 667 827 0445, **Access code:** 1

### Speaker:

**Prof. Dr. Tohru Ozawa**

*Waseda University, Tokyo, Japan*

Title: **Evolution equation with logarithmic nonlinearity**

Abstract: This talk is based on a recent jointwork with Masayuki Hayashi, University of Pisa. We study the global existence of solutions to the Cauchy problem for a class of evolution equations with logarithmic nonlinearity.

### Biography:

**Tohru Ozawa** has been a Professor of Mathematics at Waseda University in Tokyo, Tokyo, Japan, since 2008. He graduated with honors from the Department of Physics at Waseda University in 1984. He received a M.S. degree in 1986 and Ph.D. degree in 1990 from RIMS, Kyoto University. He held a Full Professor position from 1995 to 2008 at Hokkaido University in Sapporo. In 1998, he was awarded a Spring Prize from the Mathematical Society of Japan for his pioneering work on the nonlinear Schrödinger equation. His research interests include nonlinear partial differential equations in mathematical physics and related subjects in analysis.