## INSALATE DI MATEMATICA

presents

16/04/2025 SIMONE GALLIVANONE

Università degli Studi di Milano-Bicocca Dynamical Toeplitz Operators on Grauert Tubes



## Abstract:

Since their introduction, generalized Toeplitz structures (in the sense of L. Boutet de Monvel and V. Guillemin) over contact manifolds have found numerous applications in fields such as CR geometry, analysis, and quantization. The aim of this talk is to provide a simple introduction to the geometric and analytical context of these operators on Grauert tubes boundaries.

**Keywords:** CR manifolds · Szegő kernel · Dynamical Toeplitz operators · Fourier Integral operators

Dipartimento di Matematica e Applicazioni Università degli Studi di Milano-Bicocca U5-3014 04:30 pm (CEST)

۵

"Obvious" is the most dangerous word in mathematics. (Eric Temple Bell)