

# Conferencia

# Santaló 2022

La Facultad de Ciencias Matemáticas y la Revista Matemática Complutense organizan anualmente la Conferencia Santaló, en memoria de Luis Santaló (1911-2001), doctor por esta universidad. La conferencia es impartida cada año por un/a profesor/a de reconocido prestigio. La conferenciante de este curso es:

## Christoph Thiele

Hausdorff Center for Mathematics, Bonn

### *Convergence of Fourier series and modern developments*

At the beginning of the nineteenth century, J. Fourier proposed that every function can be represented as a Fourier series. This resulted in a rich program of the concept of functions and their Fourier series, culminating in L. Carleson's theorem in the 1960s that Fourier series of square integrable functions converge almost everywhere. This theorem stood somewhat isolated for a quarter century, but then has influenced developments in time-frequency analysis, ergodic theory, and nonlinear Fourier analysis. We will discuss some of these newer developments of an old theme.

**Viernes, 30 de septiembre de 2022, 13:00 h**

**Aula Miguel de Guzmán**

**Facultad de Ciencias Matemáticas UCM**

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