

# Colloquium ICMAT-UCM

## RECENT ADVANCES ON APPLICATIONS OF LIE SYSTEMS THEORY IN CLASSICAL AND QUANTUM PHYSICS

**SPEAKER:** José F. Cariñena (Departamento de Física Teórica, Universidad de Zaragoza, Spain)

**DATE:** Friday May 11, 2018 - 13:00 h

**VENUE:** Aula Naranja, ICMAT (Campus de Cantoblanco, Madrid)

**ABSTRACT:** After a quick presentation of the theory of Lie systems from a geometric perspective, recent progresses on their applications when compatible geometric structures exist will be described with an special emphasis in the particular case of admissible Kähler structures, and therefore with applications in Quantum Mechanics.

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