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## INTRODUCTION TO QUANTUM SYSTEM

*Wednesday, 1 September 2021 09:00 (1 hour)*

Prof. German Sierra is a Prof. of Theoretical Physics at the Institute of Theoretical Physics at the Autonomía of Madrid and CSIC.

His current research interests are on:

- Quantum entanglement in many body systems
  - Topological quantum matter
  - Conformal Field Theory applied to Condensed Matter Physics
  - Tensor networks: MPS, PEPS, ...
  - Exactly solvable models
- and applications to Quantum Computing.

He collaborates with Prof. Jose Ignacio Latorre and other Q.C. experts.

He teaches Quantum Computing at the Master students.

**Presenter:** Prof. SIERRA, German (IFT-UAM, CSIC)

**Session Classification:** MORNING SESSION 8, PLENARY LECTURES