

Session Program

August 27, 2023 to September 10, 2023



**7th edition of the cross-disciplinary
International Summer School INFIERI series**

THE QUANTIC WORLD: DAY 1

University of Sao Paulo, USP, Brazil

Thu, September 7

9:00 AM

THE QUANTIC WORLD: DAY 1

Session | **Location:** University of Sao Paulo, USP, Brazil | **Convener:** Dr Eleonora Diociaiuti

09:00 - 10:30

INTRODUCTION TO QUANTUM WORLD: SUPERPOSITION & ENTANGLEMENT PHYSICAL BASIS OF QUANTUM TECHNOLOGIES

Speaker

Prof. Barbara Lopes Amaral

10:30 - 11:00

COFFEE BREAK

11:00 - 12:00

Quantum Thermodynamics

Speaker

Prof. Roberto M. Serra

12:00 - 13:00

QUANTUM SENSING WITH COLD ATOMS and MATTER WAVES

Speaker

Prof. Philippe Wilhelm Courteille

1:00 PM