

## Fourth Patricio Letelier School on Mathematical Physics

UFES, Vitória (ES), Brazil

October 14 - 18, 2024

The school aims to bring together both graduate students and specialists working in mathematical physics, in particular, in field theory and gravitation.

## Mini-courses

Luiz Agostinho Ferreira USP-São Carlos, Brazil Lectures on symmetries and gauge theories

Dmitry Melnikov IIP, Natal, Brazil

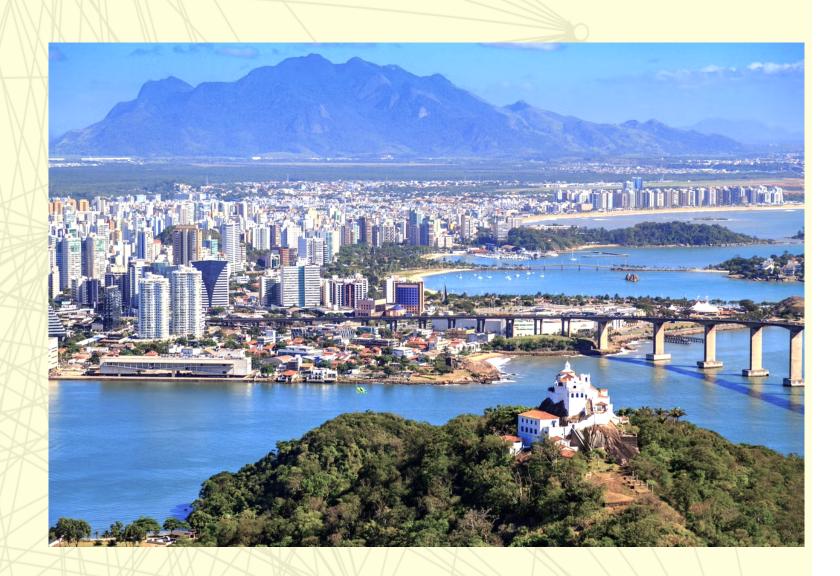
Topological quantum field theories,
quantum entanglement, and emerging spacetime

Aleksandr Pinzul Universidade de Brasília, Brazil

A brief introduction to von Neumann algebras
and their modular theory

Ilya Shapiro *UFJF, Brazil*Recent progress in effective quantum gravity with cosmological applications

Francesco Toppan *CBPF, Brazil Lectures on the detectability of paraparticles* 



## Talk

César Rogério de Oliveira UFSCar, São Carlos, Brazil

Graph-modeled graphene: the role of boundary conditions

## **Organizing Committee**

Giuseppe Dito Université de Bourgogne, France
Júlio C. Fabris UFES, Brazil
Paulo A. Faria da Veiga USP - São Carlos, Brazil
Dmitry Melnikov UFRN, Brazil
Mariane Pigossi UFES, Brazil
Aleksandr Pinzul UnB, Brazil
Dmitri Vassilevich UFABC, Brazil













