



CENTRO DE  
**MATEMÁTICA**  
UNIVERSIDADE DO PORTO

## Algebra, Combinatorics and Number Theory Seminar

**Date.** Tuesday, November 30, 2021 - 1.15pm (UTC) <sup>1</sup>

**Speaker.** Hugo Parlier - Université du Luxembourg

**Title.** Playing puzzles on complicated surfaces

**Abstract.**

This talk will be about a project aiming to illustrate geometry through puzzles. The puzzles are played on surfaces, and have natural configuration graphs with a geometry of their own. These graphs are reminiscent of combinatorial graphs used in the study of moduli spaces of surfaces which can be visualized in similar ways.

The puzzles were created together with Paul Turner, and brought to life together with Mario Gutierrez and Reyna Juarez.

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<sup>1</sup><https://videoconf-colibri.zoom.us/j/85917155304?pwd=ZU1YUGJRcTJzTOVjSHF5N2hNdTJkZz09>