

## **Surfaces, Puzzles, and Moduli Spaces**

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This talk will be about an outreach project aiming to illustrate geometry by puzzles. The puzzles are played on surfaces, and have natural configuration graphs with a geometry of their own. These graphs are not completely unlike other combinatorial graphs used in the study of moduli spaces of surfaces (such as flip graphs) which can be visualized in similar ways.

Certain parts of talk will be based on an ongoing project with Mario Gutierrez and Paul Turner, and on another with Mark Bell and Lionel Pournin.