

Hugo Parlier, University of Fribourg, Switzerland.

*Title:* Puzzles, triangulations and moduli spaces.

*Abstract:* How does one measure distance between triangulations? What does the graph of the space of configurations of a Rubik's cube look like? How do you enumerate domino tilings of a rectangle? These questions might not seem directly related but are all questions about the geometry of combinatorial moduli spaces. Starting from examples of spaces coming from puzzles, the talk will be about the geometry of different configuration spaces. Parts of the talk will be based on joint work with Mark Bell, Valentina Disarlo, Lionel Pournin and Paul Turner.