Séminaire d'algèbre, topologie et géométrie
Jeudi 5 décembre à 14h
Salle I

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Periodic frameworks and deformation spaces

A d-periodic bar-and-joint framework is an abstraction (and generalization to arbitrary dimension d) of an atom-and-bond crystal structure. We present a general introduction to the deformation theory of this type of frameworks with emphasis on the role of algebraic geometry and combinatorics. Recent results and open questions will be surveyed.

This is joint work with Ileana Streinu, Smith College, USA.