

## Peter Hilton Memorial Lecture - 2013

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**Speaker:** Dani Wise, McGill University



**Title:** From Riches to Raags: Cubes, Groups and 3-Manifolds

Thursday April 18, 2013, Binghamton University, Science 2, Room 144 3:00pm.

followed by a Reception at 4.15, President's Dining Room, Anderson Center, Binghamton University. This reception is for the whole Binghamton Mathematics Community as well as for our visitors.

Flyer for the lecture

**Abstract:**

Cube complexes have come to play an increasingly central role within geometric group theory, as their connection to right-angled Artin groups provides a powerful combinatorial bridge between geometry and algebra. This talk will describe the developments in this theory that have recently culminated in the resolution of the virtual Haken conjecture for 3-manifolds, and simultaneously dramatically extended our understanding of many infinite groups.

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Last update: **2017/01/05 23:20**

