

# PRIX



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## ANDRÉ-AISENSTADT PRIZE 2010



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### Local and global properties of graphs

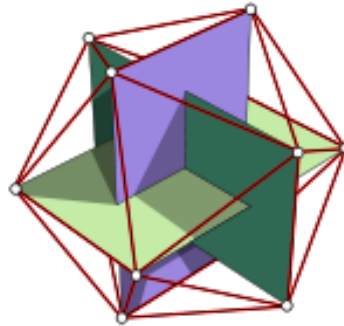
I will discuss the relation between the local structure and local properties of a graph, including vertex degrees and allowed neighborhoods but also recurrence of random walk and global properties such as size and planarity. For example, an elegant result of Benjamini and Schramm states (loosely) that (finitary) planar graphs are uniformly recurrent. The talk will relate to works with Szegedy, Sheffield, Silberman, and Wilson.

**Le jeudi 11 mars 2010**  
**Thursday, March 11, 2010**

**16h50 - 4:50 pm**

**Salle / Room 1140**

Pavillon André-Aisenstadt,  
2920, chemin de la Tour  
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Une réception suivra au Salon Maurice-L'Abbé  
(salle 6245).

A reception will follow at Salon Maurice-L'Abbé  
(Room 6245).