

**Thematic program of the
Centre Émile Borel**

**« Statistical physics, combinatorics and probability :
from discrete to continuous models »
September 7th – December 18th, 2009**

All the events of the workshop will take place at IHP, 11 rue Pierre et Marie Curie, Paris 5^{ème}.

WELCOME AND REGISTRATION in the morning

**« Introductory symposium »
Monday September 7th and Tuesday 8th
(Amphitheater Darboux)**

Monday September 7th

1.45pm – 2.00pm **Welcome words by Cédric Villani.**
2.00pm – 2.45pm **Thordur Jonsson** : Random trees and vertex splitting.
2:45pm – 3.30pm **Cédric Boutillier** : The critical Ising model on isoradial graphs: an approach via dimers.
3.30pm – 4.00pm *Coffee Break on the second floor.*
4.00pm – 4.45pm **Kelli Talaska** : Total positivity and path networks.

Tuesday September 8th

9.30am – 10.15am **John Wheeler** : Gravity, Random Graphs and Spectral Dimension.
10.15am – 11.00am **Philippe Chassaing** : Cellular automata and ballistic annihilation.
11.00am – 11.30am *Coffee Break on the second floor.*
11.30am – 12.15pm **Jesper Jacobsen** : Boundary conformal field theory and applications.
12.15pm – 2.00pm Lunch
2.00pm – 2.45pm **Louigi Addario-Berry** : Distances in critical random graphs.
2.45pm – 3.30pm **Des Johnston** : ASEPs.PASEPs and paths.
3.30pm – 4.00pm *Coffee Break on the second floor.*
4.00pm – 4.45pm **Andrea Sportiello** : Trees and forests in 2-D Statistical Mechanics.

