Fourteenth Northeast Probability Seminar
Thursday and Friday November 19th and 20th, 2015
This conference is supported by the NSF

Thursday, Nov. 19th
Room 912/914 of the Kimmel Center at NYU:

Morning Session: Chair, S.R.Srinivasa Varadhan (Courant Institute)
9:00 — 10:00 am  Registration, light refreshments
10:00 — 11:00 am  Jean-François Le Gall (University Paris-Sud Orsay)

"First-passage percolation on random planar graphs."

11:00 — 11:30 pm  break
11:30 — 12:30 pm  Mykhaylo Shkolnikov (Princeton University)

"Edge of beta ensembles and the stochastic Airy semigroup."

12:30 — 2:15 pm  Lunch break

Afternoon Session: Chair, Daniel Ocone (Rutgers)
2:15 — 3:15 pm  10-15 minute informal talks and discussion, including:

Yu Gu (Stanford)  Scaling limits in stochastic homogenization
Qi Feng (Purdue)  Log-Sobolev inequalities on the horizontal path space
                 of a totally geodesic foliation
Konstantin Matveev (Harvard)  q-randomized RSK’s and random polymers
Fan Ny Shum (UConn)  Stabilization by noise of a $C^2$-valued coupled system

3:15 — 3:30 pm  break
3:30 — 4:30 pm  10-15 minute informal talks and discussion, including:

Andrey Sarantsev (UC Santa Barbara)  Infinite systems of competing Brownian particles
Jiange Li (Delaware)  Optimal concentration of information content
                    under convex measures
Reza Gheissari (NYU)  Conformal invariance and lattice fields of the Ising model
Eyal Neuman (Rochester)  Discrete SIR Epidemic Processes and their Relation
                         to Extreme Values of Branching Random Walk

4:45 — 5:45  Conference Reception
             Courant Institute, 13th Floor Lounge
6:00  Conference Dinner
      Mocha Burger
      496 Laguardia Place, (between Houston and Bleeker)
Friday, Nov. 20th
Room 109 of the Courant Institute, NYU:

Morning Session: Chair, Ivan Corwin (Columbia University)
9:00 — 9:30 am Registration, light refreshments
9:30 — 10:30 am Francis Comets (Université Paris Diderot)

"Localization in one-dimensional log-gamma polymers"

10:30 — 11:00 am break
11:00 — 12:00 Jian Ding (University of Chicago)

"Some geometric aspects for two-dimensional Gaussian free fields."

12:00 — 1:45 pm Lunch break

Afternoon Session: Chair, Louis-Pierre Arguin (CUNY),
1:45 — 2:45 pm 10-15 minute informal talks and discussion, including:

Insuk Seo (NYU) Large Deviation Principle for Interacting Brownian Motions
Joe P. Chen (UConn) Current large deviations in the boundary-driven
symmetric simple exclusion process on the Sierpinski gasket
Mickey Salins (Boston University) The Smoluchowski-Kramers approximation
and large deviations for the stochastic wave equation
Aukosh Jagannath (NYU) The Parisi variational problem
for mixed p-spin glasses

2:45 — 3:00 pm break
3:00 — 4:00 pm 10-15 minute informal talks and discussion, including:

Moumanti Poder (NYU) Probability of any given neighbourhood of the root,
conditioned on the tree being infinite
Kei Kobayashi (UT Knoxville) Numerical approximation of stochastic differential
equations driven by a time-changed Brownian motion
Hugo Panzo (UConn) A two-parameter scaled Brownian penalization
Zsolt Pajor Gyulai (NYU) Dynamical systems perturbed by a diffusion
driven by a null-recurrent fast motion.