

## SCHEDULE OF TALKS

### Friday, January 3rd

9:00-9:50	Richard Melrose	The Laplacian plus a potential with radial limit at infinity
10:15-11:05	Jie Qing	TBA
11:30-12:20	Yulia Karpeshina	On the Schrödinger operator with a periodic electromagnetic potential in two dimensions.

Lunch

2:00-2:50	Sun-Yung Alice Chang	A conformally invariant sphere theorem in four dimensions
Posters	Presenters will include:	Richard Laugesen, Florin Spinu, Xiangjin Xu
3:15-4:05	Robin Graham	CR invariant powers of the sub-Laplacian
4:30-5:20	David Borthwick	Determinants on infinite-volume surfaces

### Saturday, January 4th

9:00-9:50	Peter Perry	Memorial lecture in honor of Bob Brooks
10:15-11:05	Svetlana Jitomirskaya	Delocalization in random polymer models
11:30-12:20	Stewart Dowker	Statistical mechanics on spheres, elliptic functions and number theory

Lunch

2:00-2:50	Gang Tian	Kähler-Ricci solitons on compact manifolds
Posters	Presenters will include:	Bernd Ammann, Steve Zelditch
3:15-4:05	Richard Kenyon	Determinants and phase transitions in the planar dimer model
4:30-5:20	Fan Chung Graham	Can you hear the shape of a network?

### Sunday, January 5th

9:00-9:50	Peter Sarnak	L-4 norms of eigenfunctions on the modular surface
10:05-10:55	Harold Donnelly	Quantum unique ergodicity
11:10-12:00	Audrey Terras	Selberg's trace formula - discrete and indiscrete