

Schedule of talks (all talks will be held in MS 6627)  
**Workshop “von Neumann algebras and ergodic theory”**  
**UCLA, September 22nd-26th, 2014**

**Monday, September 22nd:**

- 9:00-9:40 **D. Shlyakhtenko** (UCLA): Free transport and regularity
- 10:00-10:40 **B. Nelson** (UCLA): Free monotone transport without a trace
- 11:00-11:40 **M. Takesaki** (UCLA): Similarity Entropy of a Pair of Normal States on a Factor
- Lunch break
- 2:00-2:40 **H. Li** (SUNY Buffalo): Ergodicity of principal algebraic actions
- 2:50-3:30 **B. Hayes** (Vanderbilt U): Fuglede-Kadison Determinants and Sofic Entropy
- 4:00-4:40 **T. Sinclair** (UCLA): Existentially closed  $C^*$ -algebras
- 4:50-5:30 **H. Sako** (Niigata U): Coarse amenability for discrete metric spaces

**Tuesday, September 23rd:**

- 9:00-9:40 **L. Bowen** (UT Austin): Equivalence relations acting on bundles of hyperbolic spaces
- 10:00-10:40 **V. Alekseev** (Gottingen U): Derivations on von Neumann algebras and  $L^2$ -cohomology
- 11:00-11:40 **S. Popa** (UCLA): Towards a good cohomology theory for  $II_1$  factors
- Lunch break
- 2:00-2:40 **D. Kerr** (Texas AM): Dynamics and dimension
- 3:00-3:25 **B. Leary** (UCLA): On maximal amenable subalgebras of amalgamated free product von Neumann algebras
- 3:50-4:30 **R. Boutonnet** (UCSD): Maximal amenable von Neumann subalgebras arising from amenable subgroups
- 4:50-5:30 **Y. Isono** (Kyoto): Free independence in ultraproduct von Neumann algebras and applications

### Wednesday, September 24th:

- 9:00-9:40 **S. Vaes** (K.U. Leuven): Locally compact groups, cross section equivalence relations, and von Neumann algebras
- 9:50-10:15 **P. Verraedt** (K.U. Leuven): Classification of type III Bernoulli crossed products
- 10:40-11:05 **D. Hoff** (UCSD): Von Neumann Algebras of Equivalence Relations with Nontrivial One-Cohomology
- 11:20-12:00 **I. Chifan** (U of Iowa): Some structural results for the von Neumann algebras associated with braid groups
- Free afternoon

### Thursday, September 25th:

- 9:00-9:40 **J. Peterson** (Vanderbilt U): Character rigidity for lattices in higher-rank simple Lie groups
- 10:00-10:40 **F. Le Maitre** (ENS Lyon): More Polish full groups
- 11:00-11:40 **Y. Kida** (Kyoto): Stable orbit equivalence relations and relative property (T)
- Lunch break
- 2:00-2:40 **A. Kechris** (Caltech): Descriptive graph combinatorics and ergodic theory
- 3:00-3:25 **N. Meesschaert** (K. U. Leuven): Baumslag-Solitar groups and  $W^*$ -equivalence rigidity
- 3:50-4:30 **A. Marks** (Caltech): One ended subforests of Borel graphs
- 4:50-5:30 **D. Penneys** (UCLA): Classifying small index subfactors
- 6:30 Workshop dinner

### Friday, September 26th:

- 9:00-9:40 **N. Ozawa** (RIMS): Noncommutative real algebraic geometry of Kazhdan's property (T)
- 10:00-10:40 **M. de la Salle** (ENS Lyon): Rigidity results for simple Lie groups of very high rank
- 11:00-11:40 **R. Tucker-Drob** (Rutgers U): Invariant means and the structure of inner amenable groups
- End of the workshop