

## **TITLES and ABSTRACTS**

**Hillel Furstenberg- The Einstein Institute of Mathematics-  
-Keynote Speaker-**

*A multiple recurrence theorem for Markov processes, and some combinatorial applications.*

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**Arkady Tempelman- Pennsylvania State University.**

*Pointwise ergodic theorems for semigroup representations.*

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**Roger Jones- DePaul University.**

*A new look at strong sweeping out for lacunary sequences.*

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**Bryna Kra- Pensylvania State University.**

*Non-conventional ergodic averages and nilpotent groups.*

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**Ciprian Demeter- University of Illinois at Urbana Champaign.**

*Besicovitch weights and the necessity of the dualityrestriction  
for a.e. convergence of weighted ergodic averages*

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**Igor Mezic- University of California at Santa Barbara.**

*Ergodic theory methods for controllability.*

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**Andrew Nobel - UNC-CH**

*Discerning Families of Ergodic Processes.*

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**Lina Avramidou- University of Illinois at Urbana Champaign.**

*Factors forcing boundedness of the maximal moving averages  
operator and its differentiation analogue.*

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**Guy Cohen-Ben-Gurion University.**

*Consistency of Least Square Estimators of  
Linear Regression Coefficients.*

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**Yuri Latushkin- University of Missouri.**

*A sharp formula for the essential spectral radius of the Ruelle transfer  
operator on smooth and Holder spaces*

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