Thursday April 03:

2:30-3:00pm: Registration for Participants – **PHLLIPS HALL 330**

3pm-3:45pm: Refreshments

(Chair: Idris Assani)

4pm-5pm: in **CHAPMAN 211**

Benjamin Weiss –Hebrew University of Jerusalem

Ergodic theory beyond amenable groups

6pm: Dinner (Top of the Hill)

Friday: Stone Center

(Morning Chair: Benjamin Weiss- Hebrew University of Jerusalem)

9am – 9:50am: **Marie Claude Arnaud-- Institut Universitaire de France / Avignon University, France**

Lyapunov exponents for twisting dynamics

10-10:40: **Yonatan Gutman--Polish Academy of Sciences & Oxford**

Dynamical Embedding in Cubical Shifts with a View towards Physics

10:50-11:30: **Regis Varão-- University of Sao Paulo- BRAZIL**

Ergodic theory and metric behavior of invariant foliations.

11:40-12:20pm: **Francesco Cellarosi-- Univ of Illinois at Urbana Champaign-USA.**

Continued fraction digit averages and MacLaurin's Inequalities

12:20-1:50pm: **Lunch**

(Afternoon Chair: Marie Claude Arnaud)

1:50-2:30: **Guy Cohen- Ben Gourion University**

Ritt operators and convex combinations of products of conditional expectations

2:40-3:20 **Azadeh Kaleghi-- Inria- France**

Nonparametric multiple change point estimation in stationary ergodic time series

3:30-4:10 **Arkady Tempelman-- Pennsylvania State University-USA**

Pointwise ergodic theorems for bounded Lamperti representations of amenable groups in a space $L^\alpha, \alpha>1$.

Saturday – PHILLIPS HALL 332.

(Morning Chair: Jana Rodriguez Hertz-- Universidad de la Republica, Montevideo, Uruguay))

9:00-9:50: **Jairo Bochi-- Facultad de Matematicas, PUC-Chile.**

Optimization of Lyapunov exponents.

10:00-10:40: **Jean-Pierre Conze-- University of Rennes I, France.**

Quenched CLT for random walks by commuting automorphisms on compact abelian groups

10:50-11:30: **Adam Kanigowski-- Nicolaus Copernicus University-Poland**

On multiple mixing and Ratner's property for a class of mixing special flows over irrational rotations

11:40- 12:20: **Idris Assani - UNC -Chapel Hill**

Pointwise convergence of non-conventional ergodic averages for commuting actions

12:20-1:50pm: **Lunch**

(Afternoon Chair: Jairo Bochi)

1:50-2:30: **Tushar Das-- University of Wisconsin- La Crosse, USA.**

Extremal measures.

2:40-3:20: **Alexander Kachurovskii-- Sobolev Institute of Mathematics - Novosibirsk, Russia**

Estimates of the rates of convergence in von Neumann's and Birkhoff's ergodic theorems

3:30-4:10: **Dalia Theresiu-- University of Vienna – Austria**

Polynomial decay of correlation for Gibbs Markov semiflows: upper and lower bounds.

4:30- **Problem Session**

Sunday- **PHILLIPS 332**

(Morning Chair: Kim Presser-- Shippensburgh University-USA)

9:00-9:40: **Ryo Moore-- University of North Carolina at Chapel Hill**

A Uniform Wiener-Wintner Ergodic Theorem for Double Recurrence Averages

9:50-10:30: **Anima Nagar-- Indian Institute of Technology, Delhi- INDIA**

Transitive points in the induced system.

10:40-11:20 **El H. Abdalahoui-- University of Rouen-France**

A non-singular transformation whose spectrum has Lebesgue component of multiplicity one.

11:30-12:10 **Michael Lin-- Ben Gourion University- Israel**

Powers of some averages of group actions and of L_p representations

End of the workshop