A Central Limit Theorem and Weak Invariance Principle for a Billiard-Markov Model

3:30 pm - 4:15 pm **Jasmine Ng**, Washington University in St. Louis
Billiard Markov Operators and Second-Order Differential Operators

4:30 pm - 5:15 pm **Martin Schmoll**, Clemson University
Dynamics on lattice Panov planes and applications

6:00 pm - 7:30 pm ***Conference Banquet***

Sunday, April 15

8:30 am - 9:00 am Refreshment in Martin Hall M-105

Martin Hall M-101

9:00 am - 10:00 am **Robert Connelly**, Cornell
Unfolding a Carpenter's Rule and some consequences

10:15 am - 11:15 am **Yuliy Baryshnikov**, Urbana
Topological Obstacles in Control

11:30 am - 12:30 pm **Sergei Tabachnikov**, Penn State
Tire tracks geometry, hatchet planimeter, Menzin's conjecture, and complete integrability

Hotel Info

The Hotel for the conference is the Comfort Inn located at: 1305 Tiger Blvd. US 123 & 76 Clemson, SC 29631 (Phone: (864) 653-3600).

Parking

Visitors **must** display a valid guest parking permit to park on campus except when in areas designated as public parking for a special event.

We have parking permits that allow you to park in green and orange marked parking. There is such parking between Sikes (the building on Calhoun with columns) and Martin Hall, enter along Calhoun Drive and turn right after Sikes (NOT Cherry Road). You may get permits on Friday from Martin Schmoll personally (office number Martin O-17), or pick it up at the conference from room Martin M-105 (Saturday & Sunday).

Parking permits for visitors can also be obtained from three locations:

1. The Visitors Center, 109 Daniel Drive
2. Parking Services, G01 Edgar Brown Union
3. Clemson University Police, Memorial Stadium

Conference Banquet

The Banquet will be held 6:00 pm – 7:30 pm in Calhoun Corners Restaurant located only 1/2 mile from the conference venues at 103 Clemson Street Clemson, SC 29631 (Phone: (864) 654-7490).

The price, **not covered by organizers**, is $23 and should be paid in cash upon arrival. The price does not include drinks.

Registration and Financial support

The conference is partially funded through NSF grant DMS-1201546. Limited travel and lodging financial support will be available to the most attendees. However priority will be given to graduate students, post-docs and new Ph.D.s. Due to NSF regulations, we kindly ask all participants to register. If you have not already register please do so by visiting us at our web site:

`http://www.devio.us/~ppunosevac/cdynsys/`

Participants who are requesting financial support will also have to do vendor registration required by Clemson university as well as to submit expense report form with receipts.

Organizers

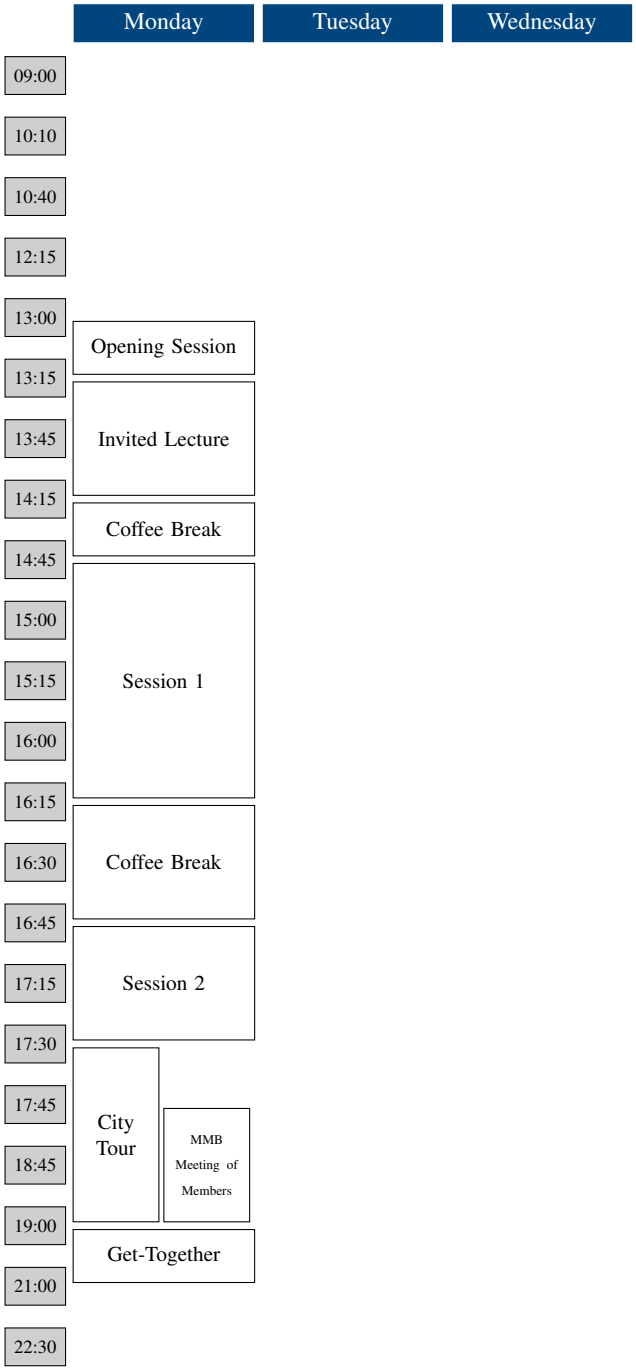
Martin Schmoll <schmoll@clemson.edu>

Predrag Punoševac <ppunosev@aug.edu>

MMB & DFT 2014

University of Bamberg

March 17 – 19, 2014



MON	Invited Lecture	Room
13.15 | 14.15	**Søren Asmussen**: Probabilistic analysis of the RESTART protocol and checkpointing in computer reliability	

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MON	Session I: "Traffic Modeling, Inference and Estimation" Chair: TODO	Room
14.40 | 16.10	**Jan Kriege and Peter Buchholz**: PH and MAP Fitting with Aggregated Traffic Traces	
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Friday, April 13

Vickery Hall

4:30 pm –5:30 pm **Sheldon Newhouse**, Michigan State
A trip into the world of computer assisted proofs in Dynamical Systems

Saturday, April 14

9:00 am - 9:30 am Refreshment in Martin Hall M-105

Martin Hall M-101

9:30 am - 10:30 am **Sergei Tabachnikov**, Penn State
Pentagram Map, twenty years after

10:45 am - 11:45 am **Douglas Shafer**, *Stability and Centers in the Moon-Rand Systems*

12:00 pm - 1:00 pm **Sheldon Newhouse**, Michigan State
Homoclinic Points, Hausdorff Dimension, and a theorem of Gonchenko, Silnikov, and Turaev

1:00 pm - 2:30 pm ***Lunch Break***

Afternoon Sections Talks

Martin Hall M-101
Differential Equations and Applications, in memoriam of Leonid Shilnikov, Douglas Shafer chair

2:30 pm - 3:20 pm **Igor Belykh**, Georgia State
Stochastically switched dynamical systems: odds of meeting a ghost

3:30 pm - 4:15 pm **Isaac Garcia**, University of Lleida
Centers on center manifolds in $\mathbf{R}^3$ *and the vanishing set of inverse Jacobi multipliers*

4:30 pm - 5:15 pm **Tingli Xing**, Georgia State
Kneading in Lorenz and Shimizu-Moriako model

Martin Hall M-102
Ergodic Theory, Karl Peterson chair

2:30 pm - 3:20 pm **Sarah Frick**, Furman University
Complexity of Isotropic Adic Systems

3:30 pm - 4:15 pm **Kevin McGoff**, Duke University
Which dynamics are possible for Z^d *SFTs*

4:30 pm - 5:15 pm **Joanna Furno**, UNC Chapel Hill
Measures of p-adic Julia Sets

Martin Hall M-201
Mathematical Biology and Neuroscience, Igor Belykh chair

2:30 pm - 3:20 pm **Justus Schwabedal**, Potsdam University
Phase description of stochastic oscillations

3:30 pm - 4:15 pm **Sajiya Jalil**, Georgia State University
Experimental phase relation captured by model central pattern generator

4:30 pm - 5:15 pm **Jeremy Wojcik**, Georgia State University
Phase-lag return mappings for control of polyrhythms in bursting 3-cell networks

Martin Hall M-202
Billiard Dynamical Systems, Sam Kaplan chair

2:30 pm - 3:20 pm **Timothy Chumley**, Washington University in St. Louis