

Dynamics and Statistics of Spatially Extended Systems
(dedicated to 60th birthday of Leonid Bunimovich)
January 19-23

MEALS

*Breakfast (Buffet): 7:00–9:30 am, Sally Borden Building, Monday–Friday

*Lunch (Buffet): 11:30 am–1:30 pm, Sally Borden Building, Monday–Friday

*Dinner (Buffet): 5:30–7:30 pm, Sally Borden Building, Sunday–Thursday

Coffee Breaks: As per daily schedule, 2nd floor lounge, Corbett Hall

***Please remember to scan your meal card at the host/hostess station in the dining room for each meal.**

MEETING ROOMS

All lectures will be held in **Max Bell 159** (Max Bell Building accessible by walkway on 2nd floor of Corbett Hall). **LCD projector, overhead projectors and blackboards are available for presentations.** Please note that the meeting space designated for BIRS is the lower level of Max Bell, Rooms 155–159. Please respect that all other space has been contracted to other Banff Centre guests, including any Food and Beverage in those areas.

SCHEDULE

Sunday

- 16:00** Check-in begins (Front Desk - Professional Development Centre - open 24 hours)
Lecture rooms available after 16:00 (if desired)
- 17:30–19:30** Buffet Dinner, Sally Borden Building
- 20:00** Informal gathering in 2nd floor lounge, Corbett Hall (if desired)
Beverages and small assortment of snacks available on a cash honour-system.

Monday

- 07:00–08:45** Breakfast
- 08:45–09:00** Introduction and Welcome to BIRS by BIRS Station Manager, Max Bell 159
- 09:00–09:45** D. Turaev, “Unbounded energy growth in slowly perturbed Hamiltonian systems”
- 09:45–10:30** M. Demmers, “Billiards with holes”
- 10:30–10:50** Coffee Break, 2nd floor lounge, Corbett Hall
- 10:50–11:35** I. Belykh, “Synchronization and network topology”
- 11:35–11:45** Group Photo; meet on the front steps of Corbett Hall
- 11:45–13:00** Lunch
- 13:00–14:00** Optional guided tour of the Banff Centre; meet in the 2nd floor lounge, Corbett Hall
- 13:00–17:30** Informal mathematical discussions and collaborations
- 17:30–19:30** Dinner
- 19:30–20:15** D. Shilnikov, “Polyrhythmic bursting patterns in models of central pattern generator”
- 20:15–21:00** C. Liverani, “I have a dream”

Tuesday

- 07:00–09:00** Breakfast
- 09:00–09:45** Y. Sinai, “The decay of Fourier modes of solutions of the Navier-Stokes system”
- 09:45–10:30** B. Khesin, “Dynamics on diffeomorphism groups: Burgers vs Euler”
- 10:30–10:50** Coffee Break, 2nd floor lounge, Corbett Hall
- 10:50–11:35** D. Szasz, “Joint diffusion in the plane”
- 11:35–13:00** Lunch
- 13:00–18:30** Informal mathematical discussions and collaborations
- 19:00** **BANQUET** at Maple Leaf restaurant (Banff Avenue and Caribou)

Wednesday

- 07:00–09:00** Breakfast
09:00–09:45 M. Lyubich, “Lee-Yang zeros for the diamond hierarchical lattice and 2D rational dynamics”
09:45–10:30 V. Bergelson, “Many facets of weak mixing”
10:30–10:50 Coffee Break, 2nd floor lounge, Corbett Hall
10:50–11:35 V. Kaloshin, “Arnold diffusion on lattices”
11:35–13:00 Lunch
13:00–17:30 Informal mathematical discussions and collaborations
17:30–19:30 Dinner
19:30–20:15 N. Simanyi, “An application of integral quaternions”
20:15–21:00 R. Stoop, “Why real men dance - on *Drosophila*’s courtship behavior”

Thursday

- 07:00–09:00** Breakfast
09:00–09:45 M. Denker, “Some problems in random dynamical systems”
09:45–10:30 T. Hill, “Benford’s Law in Dynamical Systems”
10:30–10:50 Coffee Break, 2nd floor lounge, Corbett Hall
10:50–11:35 C. Boldrighini, “Random Walks in Fluctuating Random Environments”
(joint work with A. Pellegrinotti and R. Minlos)
11:35–13:00 Lunch
13:00–17:30 Informal mathematical discussions and collaborations
17:30–19:30 Dinner
19:30–20:15 Y. Bakhtin, “Random trees under Gibbs distributions and SPDE approximation”
20:15–21:00 C. Chernov, “Recent advances in the studies of periodic Lorentz gases”

Friday

- 07:00–09:00** Breakfast
09:00–09:45 V. Zagrebnov, “Laplace transport and the Dirichlet-to-Neumann operator”
09:45–10:30 A. Berger, “On spatially extended dynamics: three examples between order and chaos”
10:30–10:50 Coffee Break, 2nd floor lounge, Corbett Hall
10:50–11:35 A. Pikovsky, “Chaotic destruction of Anderson localization in a nonlinear lattice”
11:35–13:00 Lunch
Checkout by 12 noon.

** 5-day workshops are welcome to use the BIRS facilities (2nd Floor Lounge, Max Bell Meeting Rooms, Reading Room) until 3 pm on Friday, although participants are still required to checkout of the guest rooms by 12 noon. **