

mathbio2008

The Helsinki Summer School on Mathematical Ecology and Evolution 2008

This is the first of a planned biennial series of international summer schools on mathematical ecology and evolution in Finland, directed by [Mats Gyllenberg](#) and organised by the [Biomathematics Group](#) of the University of Helsinki. The school consists of graduate-level lectures on five topics at the research frontier.

The first school will be held between 24 and 31 August 2008 in the Linnasmäki Conference Centre in Turku, Finland. The deadline for applications is 1 March 2008; application procedures are described at the end of this page.

Topics and lecturers

- Dynamics of structured populations: Odo Diekmann (University of Utrecht)
- Branching processes: Peter Jagers (Department of Mathematical Sciences, Göteborg University)
- Species coexistence in variable environments: Robin Snyder (Case Western Reserve University, Ohio)
- Adaptive dynamics: Stefan Geritz and Eva Kisdi (University of Helsinki)
- Evolutionary epidemiology: Andrea Pugliese (University of Trento)

Time and place

The school will be held between 24 and 31 August 2008 at the [Linnasmäki Congress Centre](#) in Turku, Finland. Arrival and departure on Sundays, full program on Monday-Saturday.

The town of [Turku](#) is the oldest town of Finland with beautiful surroundings and easy access with direct flights from Stockholm, Helsinki and Copenhagen, plus train to Helsinki in each hour and buses every half an hour.

Finances

We provide full board and lodging in double rooms during the school (24 August dinner - 31 August breakfast) plus a Reader to all accepted participants free of charge, on condition of participation in the full program. As a rule, participants need to cover their travel costs themselves.

When meeting the travel costs is really impossible e.g. for a student from a new member country of the EU, contact the organisers to see if financial assistance would be available also for travel. This possibility is available only within Europe and will be reserved to cases exceptional both in need and in student excellence.

The School is financially supported by the Academy of Finland via the [Finnish Centre of Excellence in Analysis and Dynamics Research](#).

Program

The school will be a week of high-speed, concentrated effort where most of the time is allocated to lectures. Two evenings will be reserved for round-table discussions in parallel groups, for which students can choose the topics. At the beginning of the school, all students will introduce themselves briefly (ca 5 minutes, 1 overhead sheet each) to help people of similar interests to find one another and engage in informal discussions.

Credits

The school awards 8 ECTS credits. Examination is by a take-home essay submitted electronically and evaluated by the lecturers after the school.

Organisers

The School is organised under the auspices of the Finnish Centre of Excellence in Analysis and Dynamics Research.

Director: Mats Gyllenberg (University of Helsinki)

Organisers: Eva Kisdi, Stefan Geritz, Barbara Boldin, Ido Filin, Petr Ondracek, Tadeas Priklopil, Diana Preoteasa and Margarete Utz (University of Helsinki; email addresses: firstname.lastname [funny character] helsinki.fi)

Advisor: Andre de Roos (University of Amsterdam)

Application

All PhD students, postdocs and young researchers working in mathematical ecology/evolution can apply from all countries. The school is organised primarily for mathematicians. We also welcome biologists with sufficient background in mathematics and advanced undergraduates.

Application is by email to Margarete Utz (margarete.utz [funny character] helsinki.fi). The application should contain

- full contact data (name, affiliation, postal address, email address, phone and fax)
- a brief CV containing prior studies and/or positions

- a 1-paragraph description of scientific interest and motivation
- list of publications (if any)

The school can accept at most 30 students. The deadline for applications is 1 March 2008 and we shall notify all participants by 15 March. There is no fee for registration.