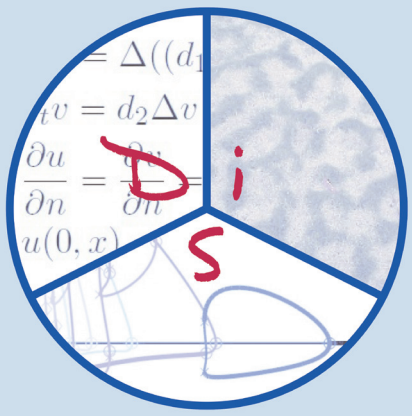
hsm
HAUSDORFF SCHOOL FOR ADVANCED STUDIES IN MATHEMATICS

UNIVERSITÄT BONN

Hausdorff School



Diffusive Systems Part II

Pattern Formation, Bifurcations, and Biological Applications

Dates: April 4 – 8, 2022
Organizers: Annalisa Iuorio, Laura Maria Kanzler, Cinzia Soresina
Location: Lipschitz-Saal, Endenicher Allee 60, Bonn

In the second edition of this School – which follows the 2021 online first edition – we aim to bring together experts from different communities to cover the investigation of diffusive systems from several viewpoints: analytically, combining methods and techniques from Partial Differential Equations (PDEs) and dynamical systems to derive and analyse mathematical models for the applied phenomena; numerically, reviewing the most recent techniques and software for the computation of bifurcation diagrams and continuation with respect to the systems' parameters; and, last but not least, from the applied – in particular biological – viewpoint, since a constant exchange of knowledge between the theoretical investigations and the experimental data is crucial in advancing research in this area.

Key speakers

Anna Marciniak-Czochra *(Heidelberg University)*
Sara Merino-Aceituno *(University of Vienna)*
Ayman Moussa *(Sorbonne Université)*
Mariya Ptashnyk *(Heriot-Watt University)*
Vivi Rottschäfer *(University of Leiden)*

We will offer a combination of lectures, seminars by young researchers, working groups, and a mentoring program.
These activities will promote the interacting among participants and foster opportunities for new collaborations.

Call for participation: Financial support for PhD students and postdocs is available. Please send applications (including a letter of intent, a CV, and a letter of recommendation) using the online application form at **http://www.hcm.uni-bonn.de/diffusivesystems2022/**. The deadline for applications is: **February 13, 2022**.

Please note: Disregarding of applying for financial support every participant has to register beforehead.
You will be notified in due time about whether a participation / financial support is possible.