



Mathematisches
Forschungsinstitut
Oberwolfach

Member of



Oberwolfach Seminar

Control of PDEs Models for Living Systems

Organizers: Debayan Maity, Bangalore
Gisèle Mophou, Pointe-à-Pitre
Guadeloupe
Marius Tucsnak, Talence
Michael Winkler, Paderborn
Date (ID): 22 – 27 October 2023 (2343b)
Deadline: 29 July 2023

The seminar takes place at the Mathematisches Forschungsinstitut Oberwolfach. The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

The PDE (partial differential equations) based modelling of systems involving living organisms is an extremely active mathematical research domain, with major applications in ecology, epidemiology, biology or medicine. One of the particularities encountered in many applications is that such systems involve structuring according to age or to the size. The week-long seminar will be devoted to the analysis and control of this type of system, with emphasis on controllability and stabilizability questions.

The target audience is PhD students and post-doctoral researchers wishing to be quickly immersed in a modern, very active research area. Priority will be given to young, motivated researchers.

Please see the website of the seminar for detailed information:

www.mfo.de/occasion/2343b

Applications including title, ID and date of the intended seminar, together with **one pdf-file attached** containing

- full name and address, incl. e-mail address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest

should be **sent by e-mail** via seminars@mfo.de until 29 July 2023 to:

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