

## Graduate seminar on Interacting Random Systems: Selected topics in random matrices and random operators

---

### Organisational comments

- Registration on basis is necessary prior to the student's talk and, in any case, between October 1, 2023 and October 30, 2023!
- The attendance of each talk by each student is mandatory and will be checked. In case of absence, contact Johannes Alt prior to the seminar via email and provide an important and valid reason for the absence.
- Each talk will last 90 minutes and should aim at presenting the contents (in a lecture style) to the other students. A blackboard talk is strongly recommended. Please practice the talk before your presentation. For some talks, the duration of 90 minutes might not be sufficient to present all details. While all definitions and statements should be stated clearly, in order to fit the contents into the 90 minutes, for some proofs only a sketch of the core steps might be presented.
- Roughly two weeks before the talk, the speaker should arrange a meeting with Johannes Alt so that it can be checked that the speaker is on track for presenting a complete and comprehensive talk.
- The seminar will start with an introductory talk by Johannes Alt on October 11, 2023 about spectral theory for bounded, self-adjoint operators on Hilbert spaces. For details see the file with the list of the talks [here](#).
- The dates of all talks can be found [here](#).
- The grade is based on the mathematical quality of the talk as well as the quality of its presentation.
- The speakers will be informed about their grades as soon as all talks have been presented.