University of Cologne
Institute of Mathematics
Prof. Dr. Alexander Drewitz

e-mail: drewitz@math.uni-koeln.de
office: Mathematics 205

WS 2018/19:
Statistical Mechanics of Lattice Systems

The topic of the seminar is the investigation of problems originating from statistical mechanics by means of probability theory. It will be based on (small) parts of the book [FV18], a version of which can currently be accessed online through
`http://www.unige.ch/math/folks/velenik/smbook/index.html`.
The seminar is aimed at BSc and MSc students.

Participants are expected to have mastered the lecture 'Wahrscheinlichkeitstheorie I'. In order to obtain the corresponding credit points, participants have to give a presentation on one of the available topics and are expected to actively contribute to the discussions of the remaining presentations.

Presentations can be given in English or German. At
`http://www.alt.mathematik.uni-mainz.de/Members/lehn/le/seminarvortrag`
you find some advice on how to prepare a valuable seminar talk *which you should take serious.*

The informational and preparatory meeting will take place in room Mathematics 203 ('Hörsaal') at 4:00 p.m. on Wednesday, July 11, 2018. The coordinates of the regular meetings are:

Room:	Mathematics 314 (Seminarraum 3)
Day & time:	Tuesdays, 4:00 to 5:30 p.m.

References

[FV18] S. Friedli and Y. Velenik. *Statistical mechanics of lattice systems.* Cambridge University Press, Cambridge, 2018. A concrete mathematical introduction.