

# Oberseminar

## Buildings

SS 16

Termin: Mo. 15:30 – 17:00 (Raum 48-438)

Beginn: 25.04.16

25.04.16	Caroline Lassueur:	<b>Introduction</b> ([1, Introduction])
02.05.16	Benjamin Sambale:	<b>Reflection groups</b> ([1, Chap. 1], [2, Chap. I])
09.05.16	Philipp Perepelitsky:	<b>Coxeter groups, I</b> ([1, 2.1–2.3], [2, Chap. II])
23.05.16	Philipp Perepelitsky:	<b>Coxeter groups, II</b> ([1, 2.4–2.7], [2, Chap. II])
06.06.16	Thomas Gobet:	<b>Coxeter complexes</b> ([1, Chap. 3], [2, Chap. III])
13.06.16	Mikaël Cavallin:	<b>Buildings as chamber complexes</b> ([1, Chap. 4], [2, Chap. IV])
20.06.16	Ruwen Hollenbach:	<b>Buildings and Groups</b> ([1, 6.1–6.5], [2, Sec. V.1–V.5])
27.06.16	Ulrike Faltings:	<b>Buildings of semisimple algebraic groups</b> ([1, 6.6–6.8], [2, Sec. V.6–V.8])
04.07.16	Gunter Malle:	<b>Root subgroups and the Theorem of Tits</b> ([1, Chap. VII])

### LITERATUR

- [1] P. ABRAMENKO, K.S. BROWN, *Buildings. Theory and applications*, Graduate Texts in Mathematics, 248, Springer, New York, (2008).
- [2] K.S. BROWN, *Buildings*, Springer-Verlag, New York, (1989).

**Interessierte Hörer sowie weitere Vortragende sind herzlich willkommen!**