Universität zu Köln
Mathematisches Institut

Weyertal 86-90
50931 Köln, Germany
Prof. Dr. A. Drewitz
Telefon +49 221 470-3364

Einladung
zum
Oberseminar Stochastik

Am Donnerstag, 19. Juli 2018, um **16:15 Uhr im Seminarraum 3** des Mathematischen Instituts (Raum 314), Weyertal 86—90, 50931 Köln. Es spricht:

Andrej Depperschmidt

(Friedrich-Alexander-Universität Erlangen-Nürnberg)

zum Thema

Tree-valued process along the genome arising from recombination

Abstract: The genealogy at a single locus of a constant size N population in equilibrium is given by the well-known Kingman coalescent. When considering multiple loci under recombination, the ancestral recombination graph encodes the genealogies at all loci in one graph. For a continuous genome we study the tree-valued process of genealogies along the genome in the limit $N \rightarrow \infty$. Encoding trees as metric measure spaces, we show convergence to a tree-valued process. Furthermore we discuss some mixing properties of the limiting process.

Based on joint work with Etienne Pardoux and Peter Pfaffelhuber.

Alle Interessenten sind herzlich eingeladen.

Die Dozenten der Stochastik