The distribution of the maximum protection number in random trees

02.02 Sarah Selkirk

(Alpen-Adria-Universität Klagenfurt, Austria)

Time: Tuesday 05.07., 10:30 – 10:55

Abstract: The protection number of a vertex v is the length of the shortest path from v to any leaf contained in the maximal subtree where v is the root. In this joint work with Clemens Heuberger and Stephan Wagner, we study the maximum protection number in simply generated trees using generating function and analytic techniques, and obtain the distribution for this parameter in general.