The ropelengths of alternating Montesinos links are proportional to their crossing numbers

Claus Ernst
Western Kentucky University

It has long been conjectured that the ropelength of any alternating link is bounded below by a constant multiple of its crossing number. While this conjecture was recently confirmed for alternating knots (i.e. alternating links with a single component), it remains open for alternating links with multiple components. However it has been established that the conjecture holds for all alternating Montesinos links. In this talk I will outline proofs of the above results.