

# **HAUSDORFF DIMENSION OF THE CRITICAL CLUSTERS FOR THE METRIC GRAPH GAUSSIAN FREE FIELD**

ALEXIS PREVOST

I will review recent results concerning the phase transition for a strongly correlated percolation model called the metric graph Gaussian free field. In particular, I will focus on the Hausdorff dimension of the critical connected components, as well as on the critical exponents which describe the volume of these components on graphs of intermediate dimension. Joint work with Alexander Drewitz and Pierre-François Rodriguez.