1165-60-206 **David Nualart*** (nualart@ku.edu), The University of Kansas, Lawrence, KS 66045. *Gaussian fluctuations for the stochastic wave equation.*

The purpose of this talk is to present some recent results on the stochastic wave equation in dimensions 1 and 2, driven by a Gaussian noise which is white in time and it has an homogeneous spatial covariance given by the Riesz kernel. We will derive functional and quantitative central limit theorems for spatial averages using techniques of Malliavin calculus combined with the Stein's method for normal approximations. (Received January 18, 2021)