3rd Workshop in Stochastic Modeling, August 29 - 31, 2012 IMECC-UNICAMP, Campinas, SP, Brazil

## Quantum Field Theory in 50 Minutes

Paulo A. Faria da Veiga - ICMC/USP, Brazil

Working on the Euclidian spacetime, after defining quantum field theories as probability models of continuum spins relying on Gibbs measures of classical statistical mechanics for random processes with values on special spaces, we quickly discuss on what are the main analytical mathematical issues involved and comment on their solutions.