Contribution ID: **2**                                                                 Type: **not specified**

# Causal Dynamical Triangulations: The emergence of spacetime

*Monday 20 June 2016 15:30 (1 hour)*

Causal Dynamical Triangulations (CDT) is a candidate theory for quantum gravity, formulated nonperturbatively as scaling limit of a lattice theory in terms of triangulated spacetimes. I will describe briefly the rationale behind this approach and its ingredients, and will then summarize the status quo of what we have learned so far about its phase structure and dynamical behaviour, focusing mostly on the physical case of four spacetime dimensions.

**Presenter:**   LOLL , Renata