

# Columbia University Theory Seminar

## "3D Ising Model as a Conformal Field Theory"

Renormalization group (RG) and Conformal Field Theory (CFT) are two complementary approaches to the theory of critical phenomena. The RG explains the underlying physical picture, while CFT has been very efficient in solving models exactly. Until recently CFT was applied mostly in 2D, where the conformal group is infinite dimensional. However, it can be useful also in 3D, as we will explain in this talk.

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**Monday, April 23, 2012 2:10pm 831 Pupin**