

GEOMETRIC ANALYSIS SEMINAR

“Approaching Plateau's problem with minimizing sequences of sets”

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(Zurich)**

Abstract: In a joint paper with Francesco Ghiraldin and Francesco Maggi we provide a compactness principle which is applicable to different formulations of Plateau's problem in codimension one and which is exclusively based on the theory of Radon measures and elementary comparison arguments. Exploiting some additional techniques in geometric measure theory, we can use this principle to give a different proof of a theorem by Harrison and Pugh and to answer a question raised by Guy David. The methods can be used to approach also the higher codimension and anisotropic functionals.

**Wednesday, March 9th, 2016
MIT, Room 2-105
Time: 4:00 PM**

