



MATHEMATICS SEMINARS 2015

MINIMAL SURFACE DAY

Friday, 20 February 2015, 9:00 - 16:00

VENUE: Euler Lecture Hall (ICTP Leonardo da Vinci Building, terrace level)

09:30 - Xiaoli Han (Tsinghua University, Beijing)

Compactness of Minimal Surfaces

Abstract: In this talk, we will first review Choi-Schoen's proof of smooth compactness theorem for minimal surfaces in three manifold with positive scalar curvature. Then we will talk about compactness theorem for minimal surfaces with high codimension. Finally, we plan to mention the compactness theorem for β -symplectic critical surfaces (which is still open).

10:30 - Jaime Ripoll (Universidade do Rio Grande do Sol, Brasil)

The asymptotic Plateau's problem for minimal submanifolds and CMC hypersurfaces in a Hadamard manifold

11:45 - Ilkka Holopainen (University of Helsinki)

Asymptotic Dirichlet problem for the minimal graph equation on Cartan-Hadamard manifolds

14:00 - Jun Sun (Wuhan University)

Rigidity Theorem for Minimal Submanifolds with Arbitrary Codimension

Abstract: In this talk, we will talk about some rigidity theorems for minimal submanifolds in Euclidean spaces, due to the work of Jost-Xin and Jost-Xin-Yang.

<http://indico.ictp.it/event/7393/>

