

# First Joint Meeting Brazil Italy of Mathematics

## Special Session: Elliptic PDEs

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**Title:** Entire subsolutions of degenerate elliptic equations related to mean partial curvatures

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**Abstract:** In this talk we report on recent results on the existence of entire viscosity subsolutions of equations considered by Harvey and Lawson and deriving from geometrical problems about mean partial curvatures. The topic is naturally connected with the nowadays classical Keller-Osserman condition and the existence of boundary blow-up solutions. In fact the results presented here extend those ones obtained independently by Osserman and Keller in the mid-twentieth, and have been established in the framework of a joint program with I. Capuzzo Dolcetta and F. Leoni.