

VST in the era of the large sky surveys



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The Shapley Supercluster Survey

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The multi-wavelength survey of the Shapley supercluster ($z \sim 0.05$) covers a contiguous area of 260 square Mpc centred on the supercluster core including 11 clusters showing evidence of cluster-cluster interactions. Optical (ugri) and near-infrared (K) imaging acquired with VST and VISTA allow us to study the galaxy population down to $m+6$ at the supercluster redshift. A dedicated spectroscopic survey with AAOmega on the Anglo-Australian Telescope provides a magnitude-limited sample of supercluster members with 80% completeness at $\sim m+3$. I will present the main results of this project.

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