

MASCARILLONS: FLYING SWARM INTELLIGENCE FOR ARCHITECTURAL

RESEARCH

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ABSTRACT

Initiated by N. Reeves, the Mascarillons project stands at a crossroad between Art and Science¹. It aims to bring together researchers in both artistic and scientific domains to collaborate towards the production of a robotic environment dedicated to architectural research, with a major potential for multi-media performance. Because of the tight constraints of the project, a multi-level design methodology is proposed, consisting of the parallel development of real robots and increasingly abstract modelling tools. The interaction of these experimental levels is expected to hasten the progress towards an efficient solution by taking every technological and physical constraint into account.