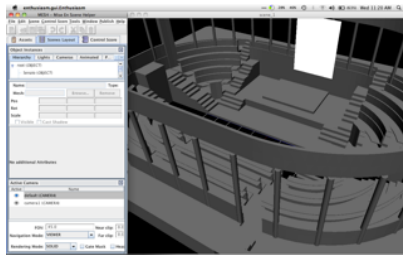


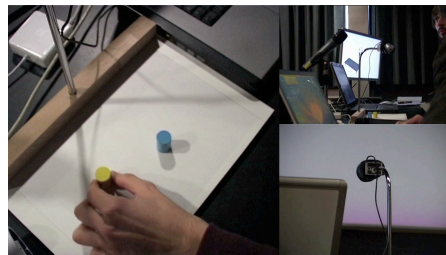


MESH – Mise-En-Scène Helper

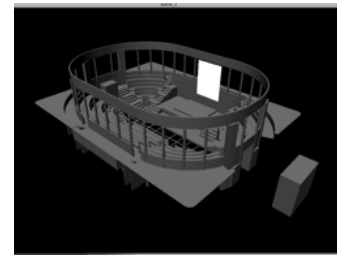
MESH is an on-going project that aims at realizing an open-source hardware/software platform for authoring situated environments in real-time computer graphics. It consists of a virtual interactive environment, with a simplified GUI control panel for handling scenography, characters, equipment, crew, and a low-cost tactile interface (Woodenbox) for the scene manipulation through placeholders.



GUI control panel



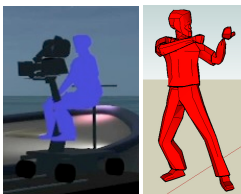
Woodenbox



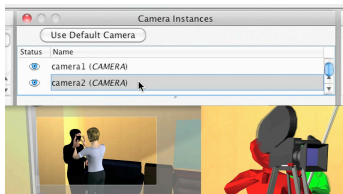
Render window

Previz of multimedia installation for a historical site (first Senate of united Italy)

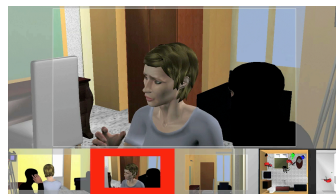
MESH can set up a scene in 3D computer graphics, importing and positing scenographic objects, props, and characters (with associated animations) from common 3D authoring software (including the immediate *Google SketchUp*®), set up lights and cameras (with specific optics), script a scene dynamics, record a succession of events, export the corresponding video or deliver an interactive application. MESH can prevent set design errors and save time and money in *mise-en-scène*, through a pre-visualization in real-time 3D graphics and an estimation of costs and assets.



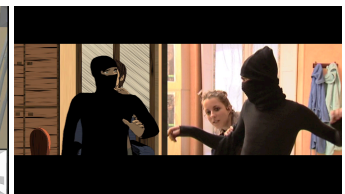
Film crew



Camera optics and shooting



Editing from multiple cameras

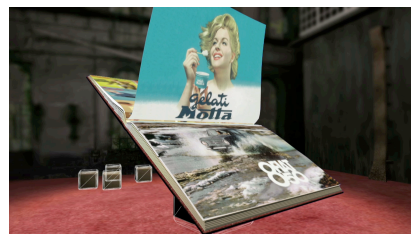


Previz (L), shooting (R)

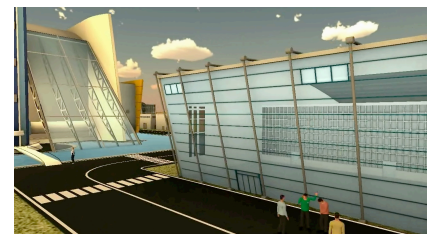
Application domains for MESH are the pre-visualizations of cinematographic shooting sets, the realization of videos in animated computer graphics, animated/interactive renders of architectural projects, interactive applications in 3D computer graphics.



Previz film set "Simshar"



Promotional video "Making Italians"



Previz TRM incineration plant

CREDITS

Idea e Sviluppo: Virtual Reality & Multi Media Park - ASA-Lab, in collaborazione con CIRMA-Università di Torino. **Sponsor:** Camera di Commercio di Torino (MESH-Interface project).



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