

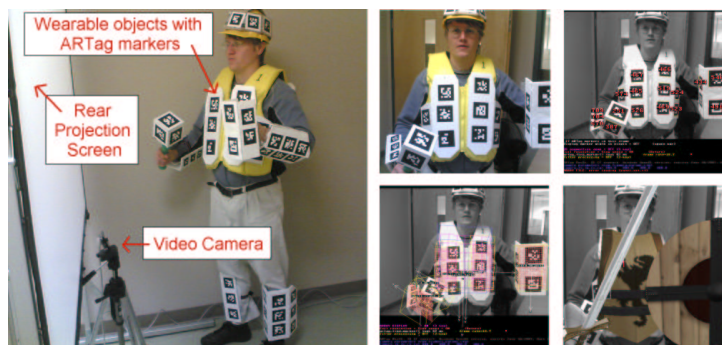
ARTag Array Applications

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The ARTag fiducial marker system can be used with 2D and 3D arrays of markers to create several different Augmented Reality (AR) interaction paradigms. Two demos of these are presented in this ISMAR demo; a magic mirror system, and a table-top system with users looking at a planar array of markers with PDAs and tablet PCs running several 3D model viewing and game-like applications.

1 Magic Mirror

Visitors stand in front of a rear projection screen and look at an image of themselves produced by a video camera looking back at them (the camera image will be flipped horizontally to resemble a real mirror effect). They play with several objects and clothing items covered with ARTag markers and see 3D augmentations on themselves. The augmentation content can be switched between themes, thus assigning different content to the same marker-ed objects..



2 Table-Top Applications

Planar arrays provide a reference for multiple users with PDAs and tablet PCs to observe and interact with 3D content, three demo applications of a client/server system for AR are shown (left 3 images).

