



Human Factors



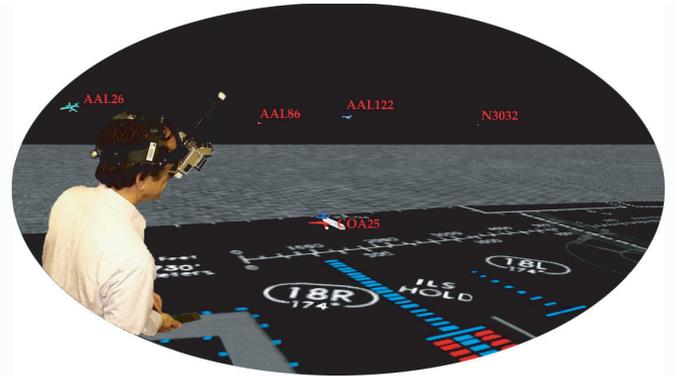
research and technology division

Augmented Reality Displays for the Control Tower

Objective

To develop and evaluate augmented reality displays of air traffic for improved situation awareness and reduced workload of air traffic controllers in the airport control tower.

To develop and test improved techniques for required dynamic registration of superimposed computer generated imagery in this application.



Approach

Design, develop, test and evaluate predictive filter techniques for improving the dynamic registration of augmented reality displays.

Impact

Reduced workload and improved spatial situation awareness for air traffic controllers in the control tower. Extension of visual flight rules into new conditions through electronically enabled ability to see through fog and occluding obstacles.

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URL: <http://vision.arc.nasa.gov/IHH>

