Human Factors

research and technology division

Modeling Human Performance Limits in Aerospace Operations

Objective

Develop computational models for assessing throughput and error rates of human performance.

Approach

Identify the architecture of the human information processing system using behavioral measurements (e.g. response time) and brain imaging techniques.

Impact

Allow rapid and economical assessment of large number of potential human interfaces prior to physical realization.

POC: James Johnston, Ph.D.

URL: http://humanfactors.arc.nasa.gov/ihi/