Dr. Ratan Khatwa, Senior Chief Engineer, Honeywell Aerospace

Ratan Khatwa provides human factors leadership and vision across Honeywell's flight deck systems product portfolio. Ratan has held previous positions with Netherlands National Aerospace Laboratory NLR (Amsterdam) and Rockwell Collins (USA).

He has made significant contributions to the development of multiple advanced flight deck systems offered by Honeywell and Rockwell Collins and has been a key player in the development of numerous industry human factors design standards (terrain displays, airport moving maps, vertical profile displays, multi-function displays, etc). His flight deck systems development expertise spans the entire product life cycle from product conception to certification, flight crew training, in-service issue resolution and accident investigation.

In addition, his expertise in flight safety has led to international changes in policy making and pilot training needs in areas such as approach & landing accident reduction, take-off/landing runway excursion prevention, CFIT prevention training and the provision of terminal area safety enhancements.

Ratan is also recipient of multiple awards for his contributions to flight safety and human factors, including several Honeywell Technical Achievement Awards, a National Business Aviation Association (NBAA) Flight Safety Award, a Business & Commercial Aviation/Aviation Week Vision Award, a Services to American Institute of Aeronautics & Astronautics (AIAA) Award and the Air Transport World Aviation Technical Achievement Team Award.

Ratan is an elected member of the Flight Safety Foundation's (FSF) International Advisory Committee and the European Human Factors Advisory Group (EHFAG). He has previously served on a number of other industry committees including the SAE G-10 Executive Advisory Board, FSF/IATA Runway Safety Initiative, Approach & Landing Accident Reduction (ALAR) Task Force, and FSF/ICAO CFIT Task Force.

Ratan has authored almost 100 publications and patents that include numerous "scientific firsts". He holds a Doctorate in Aeronautical Engineering from the University of Bristol, UK and is a Fellow of the Royal Aeronautical Society.