Curriculum Vitae

PROF. DR. IR. JACCO HOEKSTRA

CURRENT POSITION

Name of company	Job position
Technische Universiteit Delft (TU Delft) Faculty of Aerospace Engineering	Full Professor CNS/ATM (Communication, Navigation & Surveillance/Air Traffic Management)

PROFESSIONAL BACKGROUND

Until 2007, Prof Hoekstra worked at NLR, the Dutch National Aerospace Laboratory (nowadays Centre). He started as a researcher and project manager of many international, avionics and handling qualities research projects often using the flight simulator facilities. After participating in PHARE research, he also performed pioneering research in airborne separation assurance with both, US and European partners, for which he was among others awarded the doctoral degree of TU Delft.

At NLR, he also served in a number of management positions. He was heading the Air Transport division and a member of the management team of NLR in 2007. Before that, he also was the head of the Civil Human Factors group, the Training & Simulation research department and the Human Factors department. He was also the director of AT-One. In 2007, he moved to the TU Delft to become the dean of the Aerospace Engineering faculty. After serving two terms, he holds a chair in CNS/ATM at this faculty. In this chair, work is being carried out on foundational ATM research, ADS-B surveillance, drone sense & avoid, ATM simulation using big data techniques, machine learning. He is advocating and actively contributing to an open source/open data approach in ATM.

Prof. Hoekstra is also founder of and member of the board of the Association of Scientific Development of ATM (ASDA), an association of more than 20 European, independent, non-stakeholder universities and research establishments.
Prof. Hoekstra is an associate editor of the AIAA Journal of Air Transportation and an active member of the main ATM conference & seminar committees.

EDUCATION AND TRAINING:

Prof. dr. ir. Hoekstra has an MSc in Aerospace Engineering from TU Delft, together with his Private Pilot License. In 2001, he obtained his PhD from TU Delft.

EXTRAS:

Prof. Hoekstra has published on separation assurance, trajectory prediction, drones and simulation. He teaches courses on-site and on-line in Aeronautics, Programming & Scientific computing and Air Traffic Management. He is married and has three sons.