Brief Biography of Henk A.P. Blom, PhD
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Henk Blom is a Principal Scientist at National Aerospace Laboratory NLR in Amsterdam, The Netherlands. He received his BSc and MSc degrees from Twente University in 1975 and 1978 respectively. Subsequently he performed research in forward-looking infrared image processing at TNO Physics Laboratory, The Hague. In 1980 he joined NLR to work on research in Air Traffic Management. In 1988 he was a visiting scholar at the University of Connecticut, Storrs. In 1990 he received a PhD from Delft University of Technology with a thesis entitled "Bayesian estimation for decision-directed stochastic control."

Dr. Blom has over twenty five years of experience in the theory of stochastic modeling and analysis and its application to signal processing, data fusion and safety risk analysis. Since joining NLR, his leading research motivation has been to develop stochastic hybrid systems theory applicable to Air Traffic Management. He is the scientific leader of innovative developments such as the *Interacting Multiple Mod*el (IMM) filter algorithm, Eurocontrol's Bayesian multi-sensor multi-target tracking system ARTAS (ATM Radar Tracking And Server) and NLR's safety risk analysis methodology TOPAZ (Traffic Organization and Perturbation AnalyZer) and supporting tool sets. He is the author of over one hundred articles in scientific journals, books and conference proceedings, and of the volume "*Stochastic Hybrid Systems, Theory and Safety Critical Systems*", Springer, 2006. He has been the organizer and coordinator of several large European research projects, including the current iFly project with active participation by 10 universities and 8 other project partners (see http://iFly.nlr.nl). In 2004 he received NLR's Dr.Ir. B.M. Spee Award. Dr. Blom has been a Fellow of the IEEE since 2007.