

Tutorial Session on Airborne Self Separation in Air Transportation

4th International Conference on
Research in Air Transportation - ICRAT 2010
Tuesday, June 1, 2010
Budapest, Hungary



Tutorial Program

Time	Title	Presenter
9:00 - 9:15	Welcome and Program	J. Lygeros
9:15 - 9:45	Overview Airborne Separation Assurance: Issues and research questions	J. Hoekstra
9:45 - 10:30	Simulated collision risk of uncoordinated airborne self separation	H. Blom
10:30 - 11:00	Coffee break	
11:00 - 11:45	Concept for System Wide Trajectory Based Operations with Self-Separation	F. Bussink W. Cotton D. Wing
11:45 - 12:30	iFly autonomous aircraft concept	P. Casek
12:30 - 14:00	Lunch break	
14:00 - 14:30	Conflict resolution in autonomous aircraft operations	J. Lygeros
14:30 - 15:00	Flight-deck Technology for Trajectory-Based Self-Separation	F. Bussink D. Wing
15:00 - 15:30	Short term conflict resolution: A navigation function approach	K. Kyriakopoulos G. Roussos
15:30 - 15:45	Coffee break	
15:45 - 16:15	Mid term conflict resolution: A model predictive control approach	J. Lygeros G. Chaloulos
16:15 - 17:00	Complexity metrics	M. Prandini
17:00 - 17:30	Panel Discussion	All presenters
18:00	Conference welcome reception	

This tutorial is organized in association
with the European Commission project iFly

