

[09 – Safety and Security]

12.9 _ Safety & Operations of Unmanned Aircraft Systems

Date	29 September 2016 (Thursday)
Time	10:00–12:30
Place	Track 12 (#209+210+211)
Session Chair: A. Lief	

12.9.1	10:00–10:30	[2016_0190] FORMAL VERIFICATION OF AUTOPILOTS IN UNMANNED AIRCRAFT SYSTEMS B.J. Yang ¹ , P. Dutta ¹ , I. Hwang, Purdue University, United States; ¹ Optimal Synthesis Inc., United States
12.9.2	10:30–11:00	[2016_0176] DETECT AND AVOID FOR REMOTELY PILOTED AIRCRAFT IN AIR TRAFFIC CONTROL SIMULATIONS J. Alfredson, Saab/LiU, Sweden; P. Hagström, Saab, Sweden
12.9.3	11:00–11:30	[2016_0010] THE DRONE AVIATION NAVIGATION SYSTEMS M. Tanaka, Nagoya Univ, Japan; T. Okubo, iisec, Japan; S. Yamada ¹ , G. Idei ¹ , M. Takase ¹ , R. Hosomi ¹ ; ¹ Kyoto Institute of Technology, Japan
12.9.4	11:30–12:00	[2016_0221] SECURE ESTIMATION FOR UNMANNED AERIAL VEHICLES AGAINST ADVERSARIAL ATTACKS Q. Hu ¹ , Y.H. Chang, Oregon Health and Science University, United States; C.J. Tomlin ¹ ; ¹ University of California Berkeley, United States
12.9.5	12:00–12:30	[2016_0295] VERTICAL POSITION ERROR BOUNDING FOR INTEGRATED GPS/BAROMETER SENSORS TO SUPPORT UNMANNED AERIAL VEHICLE (UAV) J. Lee ¹ , E. Hyeon ¹ , M. Kim ¹ , J. Lee ¹ ; ¹ Korea Advanced Institute of Science and Technology, South Korea