

William E. Jackson Award



Maxime Gariel
Georgia Institute of Technology

Maxime Gariel, a post-doctoral associate in the Laboratory for Information and Decision System at the Massachusetts Institute of Technology, is the 2010 recipient of RTCA's William E. Jackson Award.

The Jackson Award is presented annually to an outstanding student in the field of aviation electronics and telecommunications. This award was established in as a memorial to Mr. Jackson, a pioneer in the development and implementation of the nation's air traffic control system and an enthusiastic mentor of student engineers.

Dr. Gariel's selection was based on his Ph.D. dissertation titled "*Towards a Graceful Degradation of Air Traffic Management Systems*". Dr. Gariel describes "graceful degradation" as the process by which the safety of the airspace is maintained by ensuring a smooth transition from nominal to degraded mode of operations, in the event of a CNS failure or operational degradation in the system. The 2010 Selection Committee noted both the breadth and current relevance of his topic in the NextGen/SESAR environment and gave particular attention to his thesis because of the technologies involved in this topic.

Dr. Gariel obtained his Engineering degree in aerospace in 2008 from ISAE-Supaero, France. He received a dual M.S in aerospace engineering in 2008 from the Georgia Institute of Technology and ISAE-Supaero. He earned his Ph.D. in aerospace engineering from Georgia Tech in 2010 under the supervision of Professor Eric Feron.

Dr. Gariel is a private pilot, an avid skydiver, and his research interests include air transportation, avionics, safety, data mining and its applications to air traffic management.

RTCA congratulates Dr. Maxime Gariel!