



School of Mechanical & Aerospace Engineering

NTU PhD scholarship

Preferred background

- Strong multi-disciplinary background in Optimization, Simulation and Modelling, Artificial Intelligence and Machine Learning; interest in air traffic management, airport operations, airspace design and aircraft performance; passion for research.

Research topics available:

- Any of these areas:

1. Autonomous Systems for Air Traffic Control
2. Air Traffic Data Mining and Predictive Analytics
3. Stochastic Game Theory in Air Transportation
4. Intelligent Agents for Air Traffic Management
5. Collision Risk Modelling using Machine Learning
6. Trajectory Prediction under Uncertainty
7. Airspace and Airport Capacity, Demand, Forecasting and Delay Modelling
8. Aviation Emissions, Contrails and Noise: Modelling, Mitigation and Management

Intake:

-Aug 2018 (last date for application is **31st Jan 2018**) or Jan 2019

Contact

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Research profile:

http://research.ntu.edu.sg/expertise/academicprofile/Pages/StaffProfile.aspx?ST_EMAILID=SAMEERALA M&CategoryDescription=machinessystems