



Fully funded PhD position in the Unmanned Aerial Vehicles Laboratory in the School of Mechanical and Aerospace Engineering at NTU (Singapore) is available.

(<http://www.mae.ntu.edu.sg/AboutMAE/Divisions/UAVLab/Pages/Home.aspx>)

Research topic: Design, production and control of flying wing UAV. The project involves:

- Mechanical design and optimization along with stress analysis
- Aerodynamic design and optimization
- State estimation and control

Requirements:

- Prospective candidates should hold a M.Sc. degree in electrical engineering, aerospace engineering, mechanical engineering, automatic control, mechatronics, applied mathematics, or other related disciplines from reputable universities.
- She/He should have a strong background and interest in the general areas of systems and control along with a very good experience and background on mechanical design and analysis. Applicants with experience on power electronics will be given priority.
- The candidate should also have excellent verbal and writing skills in English. (A TOEFL score of > 570 paper-based, > 230 computer-based, > 88 internet-based or a minimum IELTS score of 6.0 is required.
- A Bachelor's degree with honors of at least a Second Class Upper Level or equivalent (min GPA: 3.2/4.0)
- International applicants are also required to have a Graduate Aptitude Test in Engineering (GATE) score of at least 90% or Total GRE score of >310/3.5 where score for verbal section must be min 146, score for quantitative section must be min 155 and analytical writing score is at least 3.5.

The application should consist of:

- A motivation letter (explaining the reason that you are interested in the project, background and motivations),
- A CV with a full publication list,
- The contact details of three referees.

These documents must be compiled as a single pdf file, and named as "<Name>_<Surname>.pdf". Then, the single file should be sent to "erdal@ntu.edu.sg" with a subject line of "PhD application of <Name><Surname>".

The positions will be available from **Jan, 2015**.

The deadline for the applications is **25th of September 2014**.



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