

## **Vacancy for Graduate Research Assistant (GRA)**

- Project title** : Practical Interference Alignment Techniques with Reduced CSI Dependency for 5G and Beyond Wireless Communications
- Description** : Practical MIMO interference alignment (MIMO-IA) schemes that depend less on accurate channel state information (CSI) feedback will be investigated. This may include 1) a simple but efficient CSI feedback protocol, and 2) reduced complexity precoding stages that perform interference alignment using inaccurate CSI feedback
- Project funding** : Fundamental Research Grant Scheme (FRGS)
- Project duration** : 2 years
- Monthly salary** : **RM2,300 – RM2,600** (depending on candidate's qualification)
- Starting date** : 1 January 2016 (tentatively)
- Location** : Faculty of Engineering, Multimedia University, Cyberjaya

### **Responsibilities:**

- Collaborate with project leader in achieving project deliverables.
- Coordinate and plan research schedule and strategies.
- Provide technical input and knowledge in implementing research components.
- Prepare technical documentations and scientific articles.
- Enroll in Masters by Research (M.Eng.Sc.) programme.

### **Minimum requirements:**

- Bachelor's degree with a minimum CGPA of 3.0 in a field related to Electrical, Electronic or Telecommunications Engineering.
- Good knowledge in optimization problems and MIMO signal processing.
- Good MATLAB programming skills.
- Good command of the English language.
- Able to work with minimal supervision, self-motivated and independent.
- Must be a Malaysian.

Interested candidates may submit their resume via email to:

Dr. Ivan Ku ([kccivan@mmu.edu.my](mailto:kccivan@mmu.edu.my))