

A funded research project in the area of 4G wireless systems (LTE and LTE-Advanced) is looking for several candidates for the position of research assistant. The project is lead by Prof. Khaled Fouad Elsayed of the Department of Electronics and Communications Engineering, Cairo University. The project is focused on the following research areas: channel-aware MAC/PHY radio resource management for multiple service classes; multi-cell interference management and coordination; and exploitation of cooperative communications, relaying and network coding to increase system capacity.

The candidates should ideally have the following profile:

- A B.Sc./M.Sc. in Electronics and Communications Engineering or Computer Engineering with a very good honors degree or higher from a recognized university.
- Interested in pursuing graduate studies (M.S./Ph.D.) in the area of wireless systems.
- Very good skills in three or more of the following technical areas:
  - o Wireless communications and systems
  - o Communications networks/networking
  - o C/C++ programming
  - o MATLAB programming
  - o Internet search
  - o System/network simulation (e.g. OPNET, ns-2).
- Good communication skills in English

The selected candidates will be able to pursue their thesis in one of the areas in the project. A compensation package will be paid based on the amount of time allocated to the project (minimum 20 hours/week). Moreover, some opportunities to travel and present the work in International conferences may be offered.

To apply (or for more details), please send your CV and cover letter as one PDF or WORD file to [kelsayed@gmail.com](mailto:kelsayed@gmail.com) with subject: RA Application.