

## **Research Interest, May 2017**

### **MSc. Aziz Rasim Yusuf**

My research interests are determination of dose to patient in various radiation induced medical devices and also cancer treatment procedures, radiation protection and quality control procedures of radiation induced imaging devices. Radiation simulation software's and radiation measurement devices were used in previous projects that I've worked. I have used Matlab, C++, Fortran and Java during my education and master thesis in order to overcome some engineering problems in image analysis, reconstruction, quality control procedures, signal processing and radiation measurement and analysis.

I've also interested in Classical Mechanics, Quantum physics, Nuclear physics, differential solutions of Schrödinger equation. As a result of, computer systems and programming knowledge is essential in order to solve Differential solutions numerically as well as probability distribution functions in coupled photon-electron simulations, I have a strong interested in computer sciences and cluster-based high computational system architectures, Linux based systems and open-source software's.