Medical Image Analysis Experts Needed ...

GE Global Research, Bangalore, INDIA.

As great part of the GE innovation story is the multi-disciplinary Imaging Technologies Team. The team is innovating and developing technology in the areas of Computed Tomography, Magnetic Resonance Imaging, Positron Emission Tomography, Ultrasound, Digital X-ray, Electromagnetic and Superconductivity systems, and Visualization and Computer Vision. Our researchers are finding new ways to see beyond structures in the body and image cellular function. This work holds the potential to discover diagnostic methods for identifying diseases before traditional symptoms appear - a breakthrough that would shift the healthcare paradigm from “see and treat” to “predict and prevent”.

The Imaging technologies team at GE’s first and largest R&D Center outside the US – The John F Welch Technology Center (JFWTC) in Bangalore India works on developing the next breakthroughs in imaging areas that will improve the way clinicians, radiologists and other technicians work. The areas of work in Medical Image Analysis include 3D/4D Visualization, Image Segmentation, Multi-modality Image Registration, and Detection. Key successes have been in the development of AutoBone, a software algorithm for segmentation of vessels from CT, rigid and non-rigid multi-modality fusion algorithms, and tools to assist in longitudinal analysis of CT/PET data.

Requirements (Full time as well as internships):

- PhD in Computer Science, Electrical Engineering, Bio-Medical Engineering or Applied Math. Candidates with Master’s degree with sufficient research experience may also be considered.
- Expertise in Medical Image Analysis, Computer Vision, or Machine Learning
- Strong math orientation, demonstrably good C/C++ skills and use of open source toolkits (VTK, ITK).

For more information about our research center, activities, and opportunities visit our posters and ask our researchers:

Recent publications from the team:

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imagination at work
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