United Imaging Healthcare (UIH) is a Shanghai-based company that provides advanced medical equipment and healthcare IT solutions, including diagnostic imaging, therapy, services, trainings, and healthcare IT. UIH aims to fundamentally reduce healthcare expenditures, improve healthcare quality, and expand the access to advanced healthcare services. There are multiple positions available at UIH in Shanghai, China and in Houston, USA. Qualified applicants will join multi-disciplinary groups of scientists and engineers in the pursuit of RF coil technology, data acquisition and image reconstruction methods, image processing algorithms for MR and multi-modality systems.

**MR Application Scientists**
Candidates should be knowledgeable in MRI physics with expertise in developing MRI pulse sequences, image reconstruction or post-processing methods. Qualified candidates must have a master degree plus two year experience or a PhD degree related to the field of MRI. Hands-on experiences in MRI pulse sequences or image reconstruction algorithms are preferred.

**MR System Engineers**
Candidates should have hands-on experience with MR instrumentation, system calibration, RF field simulation and safety. At this position, you will be involved in full spectrum of developing world-class MR systems, including requirement engineering, system engineering, system calibration, algorithm development, thermal simulation and engineering, image quality deep-diving analysis. Positions are available at multiple levels. Candidates with doctorate degree or master degree plus over 2 years of experience in the related fields are welcome to apply. Candidates with in-depth understanding of MR system or MR application are preferred. Experience with developments of Ultra High Field systems is a plus.

**PET/MR System Engineers**
Candidates should have hands-on experience with PET/MR (or MR) instrumentation, image reconstruction or data correction. At this position, you will be challenged to develop world-class PET/MR system, including requirement definition, EMC, RF coil design, MR based PET data correction. Jobs are available at multiple levels. Candidates with doctorate degree or master degree plus over 2 year experience in the related fields are welcome to apply. Candidates with in-depth understanding of MRI sequence development, electromagnetic compatibility, RF system design, GPU computation, FPGA programming and electronic circuits design are preferred.

**Research Collaboration Scientist**
Major responsibilities of this role include but are not limited to experiment design, data collection, protocol development, phantom study, equipment/algorithm evaluation, image post processing, drafting papers and technology transfer support. Candidates with a PhD in Medical Physics, Biomedical Engineering, Electronic Engineering or a Master and adequate industrial experience are considered. Detailed technical knowledge of one or more of the following fields: MR, PET/CT, PET/MRI, CT, machine learning (deep learning) and image post processing methods is expected. Good track record of scientific publications in medical imaging-related journals is preferred.

**Wireless Systems Architect**
As a Wireless Systems Architect, the individual will be a core member of our highly innovative team for an exciting opportunity to work on the next generation connectivity platform that shall host wireless technologies used in medical imaging systems. The candidate shall have extensive experience working on embedded platforms for WLAN or other wireless technologies. Working knowledge and familiarity with RF transceiver design is a plus. The candidate will lead developing proof-of-concept solutions and be responsible for taking the high level architecture requirements and translating into working prototype. The candidate will need to work with different engineering groups to understand the requirements and interactions between subsystems and modules, and to architect the solution to achieve wireless connectivity with desired performance and quality. Responsibilities also include developing hardware test plans and documentations to ensure product quality and compliance, providing technical guidance to sourcing and participating in communication with key vendors. Qualifications include PhD EE with 3+ years or MS EE with 6+ years of industry experience; Strong knowledge in wireless communication and digital systems; In-depth experience in WLAN, UWB
wireless technologies; Familiarity with FPGA implementation and RTOS based embedded platform; MR, CT, PET systems knowledge is a plus; Excellent people skills along with written and oral communication skills; Self-reliant, energetic, hands-on, flexible and highly motivated attitude required.

Radiotherapy-Related Positions

- **Senior Imaging Physicist**: Team leader to develop imaging (CT, CBCT, MRI) for IGRT with linear accelerator. Require extensive experience in CT/X-ray imaging, experience in MR/PET is a plus.

- **Senior Radiotherapy Physicist/Application Specialist**: Responsible for design and optimization of treatment workflow for linear accelerator radiotherapy systems. Require experience as a radiotherapy physicist.

- **(Senior) Monte Carlo Developer**: To develop fast Monte Carlo algorithm for TPS. Require experience in developing Monte Carlo algorithm and code.

- **Radiotherapy Beam Optimization**: To develop beam calculation and optimization for TPS. Require experience in Convolution.

- **Radiotherapy Product Manager**: Responsible for product definition of linear accelerator radiotherapy systems. Require extensive experience as a radiotherapy physicist.

- **(Senior) Radiotherapy LINAC System Engineer**: Responsible for system architecture and integration. Require system development experience in medical LINAC products.

◆ To apply for the above positions, please send your CV to [job@united-imaging.com](mailto:job@united-imaging.com)

◆ For more information of United Imaging Healthcare, please visit: [www.united-imaging.com](http://www.united-imaging.com)