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Senior CT System Scientist
Vernon Hills, IL
www.tmru.com

COMPANY DESCRIPTION

Toshiba Medical Research Institute USA, Inc. (TMRU) is a multi-modality R&D organization creating next-generation medical imaging systems. For those who like to develop new technologies and research new ways of using them, Toshiba is a rewarding place to work, due to its focus on innovation as the lifeblood of new products.

TMRU, awarded the 2016 Seal of Distinction award from WorldatWork,® is committed to recognizing and appreciating the variety of characteristics that make individuals unique in an atmosphere that promotes work/life balance and celebrates individual and collective achievement. We are especially interested in qualified candidates who can contribute, through their experience, education, research and/or service, to the diversity and excellence of our organization and the scientific and engineering community at large.

TMRU offers a great work environment, professional development, challenging careers, and competitive compensation and benefits. We are an equal opportunity employer (EOE).

SUMMARY

As a Senior CT Systems Scientist at Toshiba Medical Research Institute USA (TMRU), you have the opportunity to participate in the research and development of Toshiba's next generation CT systems. You will guide the technology strategy by working with cross functional teams to develop design solutions and prototypes and that will become the basis for Toshiba's future products. Through your research, you will identify opportunities for significant improvements in imaging performance through system design, detection, and reconstruction technologies. Through advanced development programs, you will turn these opportunities into practical product design solutions that will be transferred to Toshiba Medical Systems for commercialization. Working with cross-disciplinary teams, you will lead and participate in design studies, feasibility studies, and prototype development programs to ultimately prove technology and transfer it for integration into the product.

RESPONSIBILITIES

- Develop advanced algorithms and approaches for spectral CT data correction and image reconstruction.
- Execute advanced development research programs to prove feasibility, develop prototypes, and deliver proven design solutions for implementation in product
- Identify research opportunities for future advanced development programs.
- Oversee and advise research performed my more junior colleagues.

QUALIFICATIONS

EDUCATION:
- PhD or equivalent in Physics, Electrical Engineering, Mathematics, Biomedical Engineering, or related field.

EXPERIENCE / SKILLS
- The successful candidate will have five years or more of post graduate experience working on CT system design, data correction, tomographic reconstruction, or image post processing, in a product development or academic research setting.
- Knowledge and experience in the development of spectral CT algorithm data correction and decomposition algorithms and the critical detection physics factors that influence performance.
- Knowledge and experience developing and evaluating statistical signal estimation algorithms.
- Demonstrated accomplishments through peer reviewed scientific papers, conference talks, and/or patents.
- Knowledge of CT clinical applications and workflow is preferred.

COMPETENCIES / OTHER REQUIREMENTS
- Excellent written and oral communication skills.
- Excellent analytical and problem solving skills
- Experience in leading and/or collaborating within cross functional teams is preferred.
- Some domestic and occasional international travel is required.

LOCATION
- The position is at the Toshiba Medical Research Institute headquarters in Vernon Hills, IL, USA. Vernon Hills is a suburb located about 35 miles northwest of Chicago.

Apply on line at
http://www.tmru.com/opportunities/senior-ct-system-scientist/