



## Sr. Research Scientist - Image Guided Interventions Technologies

<https://jobs.siemens-info.com/jobs/202953/Sr.+Research+Scientist+-+Image+Guided+Interventions+Technologies?lang=en-US>

The Medical Imaging Technologies team of Siemens Healthcare Technology Center has an immediate opening in Princeton, NJ for a research scientist with a focus on medical image analysis for image-guided interventions and surgery, including image registration/fusion, real-time computation and artificial intelligence (deep learning/deep reinforcement learning). Our Princeton facility is recognized for providing a stimulating environment for highly talented and self-motivated researchers. You will have the opportunity to test your knowledge in a challenging problem-solving environment. You will be encouraged to think out-of-the-box, innovate and find high-impact solutions to real-life, healthcare problems. Our team has a strong publication record in leading journals and conferences.

### What are my responsibilities?

- + Research, design and implement disruptive algorithms for image-guided therapies and artificial intelligence.
- + Advance the state-of-the-art in the field, including generating patents and publications in top journals and conferences
- + Work on large-scale, real-world problems.
- + Fast prototyping, feasibility studies, specification and implementation of medical imaging product components.
- + Work with customers to understand algorithm and workflow requirements and deliver solutions

### What do I need to qualify for this job?

- + Ph.D. in Computer Science, Biomedical Engineering, Electrical Engineering, Statistics or Applied Mathematics.
- + 3-5+ years of experience (including Ph.D. study) in medical image analysis, machine learning (Deep Learning, Deep Reinforcement Learning) or real-time image analytics and modeling.
- + Strong theoretical and practical background, with successful demonstration of key responsibilities
- + Proven ability to develop new research ideas as demonstrated by a strong publication record and early developments to the level of a working system prototype
- + Strong coding skills and ability to quickly prototype in C++ with proven track record. Further experience in GPU and scripting languages such as Python is a plus.
- + Knowledge in sensor technologies is a plus
- + Entrepreneurial approach who is willing to accept challenges and responsibilities
- + Excellent interpersonal skills and a can-do attitude, with strong collaboration skills and ability to thrive in a fast-paced, global environment
- + Adaptability to work in a growing, dynamic team across countries
- + Outstanding written and verbal communication skills in English is required
- + Successful candidate must be able to work with controlled technology in accordance with US Export Control Law. US Export Control laws and applicable regulations govern the distribution of strategically important technology, services and information to foreign nationals and foreign countries. Siemens may require candidates under consideration for employment opportunities to submit information regarding citizenship status to allow the organization to comply with specific US Export Control laws and regulations. Additional information on the US Export Control laws & regulations can be found on <http://www.bis.doc.gov/index.php/policy-guidance/deemed-exports/deemed-exports-faqs?view=category&id=33#subcat34>

### 2017 Biomedical PhD Career Fair On-site Interview Application Instructions:

Interested applicants should email a resume for consideration to [phd\\_recruit@jhmi.edu](mailto:phd_recruit@jhmi.edu) with the email subject line – "Siemens Job Application – Sr. Research Scientist - Image Guided Interventions Technologies".

Questions about the position can be directed to:

Emin Salehli, Sr. Recruiter, Talent Acquisition, [emin.salehli@siemens-healthineers.com](mailto:emin.salehli@siemens-healthineers.com);  
<https://www.linkedin.com/in/eminsalehli/>