



Advanced Technology Engineer (m/f) Job No. 2490507 (Zipf)

About us

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care.

Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world.

The site at Zipf is specialized in diagnostic ultrasound systems and world market leader in 3D/ 4D ultrasound and is global "Center of Excellence" within the GE Healthcare Group.

Responsibilities

As a member of our advanced technology team you will develop algorithms in the field of medical Doppler ultrasound. You will play a crucial role in translating clinical feedback into innovative ideas and finally software solutions.

- The role requires a focus on the early stages of product development, such as scientific feasibility studies, simulations or algorithm development in the field of ultrasonic flow measurement.
- This role will entail interacting with groups such as systems engineering and clinical product management, in addition to internal and external academic and industrial R&D partners. Of particular importance will be your support of the clinical experts in tuning the system parameters for your Doppler algorithms.
- You will also participate in the development of the architecture and specifications for our next generation ultrasound systems. You will evaluate the latest research on Doppler-ultrasound with respect to its clinical relevance and implementation possibilities.

Qualifications

- You have an advanced degree in physics, electrical engineering or a related field, with preference to candidates holding a PhD with emphasis on medical Doppler-ultrasound.
- The preferred candidate has also deep experience in signal processing, the physics of ultrasound, and Doppler techniques.
- A working ability in MATLAB and C/C++ is expected as well as a very good standard of written and spoken English.
- If you are a communicative and assertive team player who enjoys realizing innovative ideas as part of a dynamic team, then you are the right person for us.

Desired Qualification

- An understanding of pulse echo techniques such as optical coherence tomography (OCT), RADAR or seismic signal processing is an advantage.

Collective Agreement provides a minimum gross salary of € 3.000,- , salary is related to experience and qualification and might be higher.

We look forward to receiving your [online application](#).

For more information and current job openings visit ge.com/karriere

