ECO MAGNATATION

Ecomagination is a business initiative to meet customers’ demands for more energy-efficient, less emissive products including wind turbines, IGCC cleaner coal technology, photovoltaics, hybrid locomotives, water desalination platforms, more fuel-efficient aircraft engines and LEDs.

For more information visit the ecomagination webpage.
http://ecomagination.com

GREEN

GE Global Research
Zweigniederlassung der General Electric Deutschland Holding GmbH

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Main Switchboard
+ 49 (0) 89 55283-000

General email
gegreuro@research.ge.com

Internet
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GLOBAL PRESENCE

GE Global Research – Europe opened in June 2004 in Garching near Munich, Germany. Today, about 250 employees from more than 40 countries conduct research and technology development at the center. The scientists come from a variety of disciplines including chemistry, physics, mathematics, engineering and material research. Global Research – Europe is one of six GE research centers worldwide, with other centers located in the United States, India, China and Brazil.

GLOBAL INITIATIVES

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GE's "healthymagination" initiative is about better health for more people. GE commits to invest in innovations that reduce costs, ease access and improve the quality of healthcare services.

For more information about the healthymagination commitment visit
http://healthymagination.com

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BANGALORE, INDIA

Shanghai, China

Niskayuna, NY, USA

San Ramon, USA

Garching, Germany

Rio de Janeiro, Brazil

GE Technology Hub In Europe

Founded in Upstate New York (USA) in 1900, GE Global Research was the first industrial research facility in the United States; today, it is one of the world’s most diversified research labs. In total more than 3,000 scientists and technologists work at its six centers.

GE Global Research Europe

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TECHNOLOGIES AND APPLICATIONS

Manufacturing technologies: Automated manufacturing of large-scale components for application in the aviation, oil & gas, as well as power-generation industries.

Aviation Technologies: Turbine and compressor aerodynamics, combustion aero design, thermal management and fire safety as well as performance and operability for commercial aircraft engines and aero derivatives for marine and industrial applications.

European network

GE Global Research – Europe advances GE’s position as a leader in technology by leveraging European-based knowledge and resources. It maintains a strong and growing network of external partners, companies and academia, allowing GE to keep abreast of technologies and applications in which Europe is a global leader. It also keeps close ties to European GE business units, primarily in the areas of energy, oil & gas, healthcare, and aviation. With its deep and broad expertise in research and technology, the center has become a critical resource for mid- and long-term product innovation pipelines at GE businesses.

CAREER OPPORTUNITIES

Your career at GE Global Research - Europe

GE Global Research – Europe is one of the most attractive companies for top talent in science and technology in Europe and employs highly qualified scientists from around the globe. Researchers operate in interdisciplinary teams and cultivate close relationships with GE business units as well as academic and industrial partners. They enjoy the center’s stimulating, multicultural environment. Projects on cutting-edge technology, global teamwork and extensive training programs provide for excellent personal development opportunities.

Application process

Take the first step towards an exciting career by visiting http://www.ge.com/careers and http://www.ge.com/researcheurope. Please note that only online applications can be considered. For further details, please see the respective job opening. Please provide a cover letter and CV.

Still at university, but eager to gain practical work experience?

GE Global Research - Europe offers a variety of job opportunities that will enrich your academic, technical and personal qualifications while at university. You will have the opportunity to apply your theoretical knowledge and work side-by-side with experts on challenging projects; enjoy the satisfaction of seeing your work make a difference while you gain valuable job experience; develop your skills in a cutting-edge global environment and make connections that could be the start of an exciting career at GE!

The opportunities we offer include:

- Bachelor/Master/Diploma thesis projects
- Internships
- Working students positions

Opportunities for Ph.D. projects exist in several research areas where a close collaboration with TU Munich and other partner universities has been established.

TECHNOLOGIES AND APPLICATIONS

GE technology hub in Europe

GE Global Research – Europe is GE’s European technology hub specializing in power generation and propulsion systems, technologies for the oil & gas industry, systems for sensing and inspection, and advanced medical diagnostics. With the competence centers for aircraft engines, power conversion and gas-engine technologies, GE continues to expand its R&D presence in Europe and underscores its commitment to technology leadership and innovation. The center is furnished with state-of-the-art experimental facilities and a high-performance computing infrastructure for numerical analysis and simulation.

Current research activities

- Energy systems: Wind turbines and solar photovoltaics; thermal power plants and carbon-capture technologies; electrical machines and components; grid integration; system analysis and optimization; power conversion, transmission and distribution, heat-recovery solutions.
- Oil & Gas: Centrifugal compressor technology, including turbo machinery aerodynamics and thermodynamics; electrical drives and controls.
- Electrical Systems and Electronics: embedded systems and ASIC design; mechatronics and robotics; drive trains for renewable and hybrid applications; controls strategies; system integration and modeling.
- Healthcare technologies: Diagnostic imaging involving high-field magnetic resonance methods (MRI), metabolic imaging biomarkers, phase-contrast X-Ray, critical-care systems.