

We are Hiring!



RESEARCH TECHNICIAN IN SENSING DEVICES FOR COMPOSITES

We seek a highly motivated Research Technician to join our Technology Consortium, ENERCOMP. As a key member of our organization, you will play a pivotal role in managing research & technology projects in this consortium.

Responsibilities:

- Support the implementation of Sensing technology projects for inspection and SHM of composites.
- Integrate and Evaluate the potential of technologies existing on the market and make recommendations about applicability in the composite framework.
- Support the development of new devices for creating high-performance and highly integrated sensing devices focused on monitoring composites in the Energy sector (high temperature, high pressure, Oil & Gas, Hydrogen).
- Define and execute integration of sensing concepts on practical benchmarks.
- Support ENERCOMP Research Scientists and personnel in all activities related to sensor integration and measurements.
- Execute applied research and support the development of an internationally recognized platform on sensing for composites.
- Participate in the development of patent applications.
- Coordinate interpartners activities and research effort.

Qualifications:

- BS or MS level in mechanics, electronics, instrumentation, or related fields.
- Experience as a technician in developing and integrating sensing systems for composites.
- Background in electronics and measurements/acquisition systems is required.
- Advanced experience in printed electronics, ultrasonic sensing, and wireless technologies.
- Experience in materials for Energy, Oil & Gas, and/or Hydrogen is a must.
- Strong analytical and problem-solving skills.
- Exceptional technological skills.
- Proficiency in the execution of technical projects.
- Proficiency in spoken and written English.



We are Hiring!



We invite you to apply for this exciting opportunity. Join us at ENERCOMP and contribute to groundbreaking advancements in the field of composite materials.

Application Requirements:

- Detailed CV.
- Cover letter.
- List of three referees with full contact information, including full details of last employer

Interested applicants should send their complete application package to Prof. Gilles Lubineau (gilles.lubineau@kaust.edu.sa) (With a systematic cc to khathijah.osman@kaust.edu.sa).

PLEASE USE this as the subject of your email: **ENER_RT_SEN**.

Only applications providing all requirements will be considered further.



ENERCOMP

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King Abdullah University of
Science and Technology

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Technology Consortium for Composites
Performance in Energy Applications

ENERCOMP is a technology consortium on **Composite Asset Performance in Energy Applications**. It aims at increasing confidence and enabling further penetration of composite materials in the Energy sector by availing new technologies for integrity management. Its mission is to develop innovative integrity management solutions through collaborations with industry and academia by translating fundamental research into deployable technologies.



OUR VISION

To increase confidence and enable further penetration of composites materials in the Energy sector by availing new technologies for enhancing composite performance and integrity management.



OUR MISSION

To develop innovative integrity management solutions through collaborations with industry and academia by translating fundamental research into deployable technologies.

Open Positions

- Research Scientist in Composite Integrity
- Research Scientist in Computational Integrity of Composites
- Research Scientist in AI and Digital Twins of Composites
- Research Scientist in NDT
- Research Technician in Composite Testing.
- Research Technician in NDT
- Research Technician in Sensing Devices for Composites
- Project Management Officer
- Admin Assistant



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KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY (KAUST)

Established in 2009, King Abdullah University of Science and Technology (KAUST) is a graduate research university devoted to finding solutions for some of the most pressing scientific and technological challenges in the world as well as Saudi Arabia in the areas of food and health, water, energy, environment and the digital domain. **KAUST** is a curiosity-driven, interdisciplinary problem-solving environment, with state-of-the-art labs, distinguished faculty and talented students.

KAUST brings together the best minds from around the world to advance research. More than 120 different nationalities live, work and study on campus. KAUST is also a catalyst for innovation, economic development and social prosperity, with research resulting in novel patents and products, enterprising startups, regional and global initiatives, and collaboration with other academic institutions, industries and Saudi agencies.

ENERCOMP is located on the **Mechanics of Composites for Energy and Mobility Laboratory (MCEM)**. Building 4, Level 2.

