MEMS and MS Packaging Research Engineer
(MEMS- micro-electromechanical and MS -microsystem).

Microsys Lab, University of Liege is looking for MEMS and MS Packaging Research Engineer that leverages its MEMS, MS and biomedical devices packaging processing and expertise. Microsys lab (http://www.microsys.ulg.ac.be) performs innovative research in following areas:

- Exploratory R&D in the field of microsystem and biocompatible electronic packaging and system integration.
- Research on autonomous, wireless, energy harvesting and scavenger systems.

Job Summary:
The successful candidate will work in Microsys, ULg 200 m² clean room certified ISO 7 (Class 10,000) and other laboratory facilities for the assembly, packaging, post-processing and characterization of MEMS, MS, and biomedical devices. S/he will have hands-on experience on a variety of microassembly, packaging and processing equipment such as wire, flip-chip and die bonders, dicer, laser, dispenser, etc. Using the existing infrastructure and equipment the objective is to conduct innovative research on advanced packaging, microassembly and integration of MEMS, MS and biomedical devices and their assembly into fully functional systems. Of particular interest are packaging solutions resulting in low stress and long term stability of hybrid MEMS systems. The results should be disseminated in scientific publications (peer reviewed international journals and conferences). The candidate is expected to register for a PhD degree at ULg.

The position will include:
- Process development of innovative assembly and integration solutions for MEMS, MS, and biomedical advanced packaging applications
- Interact with equipment and material vendors
- Define standard operations and hand them over to the lab operators
- Preparing documentation for production release of new packages
- Continuously benchmark existing in house solutions against the state of the art and propose activity within your field of expertise
- Be part of a dynamic international research team

The ideal candidate will have the following profile:
- Master degree in Applied Science, Physics or Engineering (preferably: Electrical, Mechanical or Material Science Engineering)
- English proficiency both written and verbal skills are mandatory
- Excellent communication and reporting skills
- Candidates need to have work eligibility in Belgium
- Young post-graduates are strongly encouraged to apply for the position.

We offer
A challenging position in a high-tech environment, in an international, interdisciplinary team. The salary is competitive and added with additional benefits (meal vouchers, insurance). Furthermore, ULg offers various training possibilities and social services, such as a university restaurant, the possibility of day care, and discounts in different sport clubs and shops.

Interested?
Please contact Dr. Serguei Stoukatch, ULg, Microsys, serguei.stoukatch@ulg.ac.be or Prof. Michael Kraft, Montefiore Institute, ULg, m.kraft@ulg.ac.be