

Job Offer

R&D – Expert in numerical modeling of composites

For Belgium or Luxembourg

The Company

e-Xstream engineering (www.e-Xstream.com) is a software and engineering services company 100% focused on the multi-scale modeling of composite materials and structures. We help our customers, material suppliers and material users across the industries (Auto, Aero,...), to reduce the cost and time needed to develop innovative materials and products using DIGIMAT, the nonlinear material modeling platform we are developing. e-Xstream was founded in 2003 in Belgium and Luxembourg. e-Xstream is an MSC Software company which is part of Hexagon AB (www.mscsoftware.com and www.hexagon.com). Today, e-Xstream is the largest material engineering team and is looking for several talented R&D members to support its growth.

The Job

The job consists in working within the R&D team which develops state of the art multi-scale technology for modeling heterogeneous materials. The technology relies on models and methodologies to simulate the behaviors of complex material during their processing or during their life time. The models and methods are implemented in the DIGIMAT suite of software for the accurate, robust and efficient simulation of a large variety of composites materials and structures in the automotive, aerospace and many other industries in Europe, USA and Asia. The candidate will be responsible in developing DIGIMAT solutions for CFRP. It includes doing material engineering (e.g. predicting material performances following material microstructure), virtual testing, structural engineering as well as ICME (Integrated Computational Material Engineering).

The Candidate

The ideal candidate will have:

- ✓ A Ph.D. or equivalent experience in mechanics, material science or mathematics in a field related to the numerical modeling of composites (unidirectional, 2D woven, 3D woven, braided, ... material systems).
- ✓ Experience in the development of numerical simulation software using object oriented programming language like C++/C#.
- ✓ A good level of English as business language. The knowledge of French is not mandatory but appreciated.
- ✓ A high level of self-motivation, flexibility and self-learning aptitude.

The Benefits

- ✓ Challenging high-tech job within a highly qualified and dynamic team.
- ✓ The opportunity to work on a large variety of problems across industries.
- ✓ The opportunity to develop a large variety of high-end skills and experience.
- ✓ Exceptional, performance-driven, career progression opportunities.
- ✓ Attractive remuneration package.

Contact



For further information please send your C.V. and cover letter to info@e-xstream.com.