Job Advertisement

inuTech

C++ program development as part of an EU research project in vibro-acoustic engineering

Job Description

Applicants are invited to work on the EU funded project *Mid-to-High Frequency Modelling of Vehicle Noise and Vibration* (MHiVec) as part of a collaboration between inuTech GmbH, the Nottingham Trent University the University of Nottingham, the University of Southampton, and CDH AG. The 1,5 year project involves developing improved methods for predicting wave transport properties of complex vibro-acoustic structures and testing them in an industry relevant environment together with our associate partner Jaguar Land Rover. Giving reliable estimates for the wave energy distributions in large built-up structures is an enormous challenge in the mid-to-high frequency regime and is of immediate interest to structural engineers and the manufacturing industry. The task at hand will be to design and develop a state of the art programming tool which combines the numerical schemes devised as part of the project.

Applicants should have either at least 4 years of work experience since obtaining a university degree or hold a PhD degree in one of the following subject areas: computer science, applied mathematics, physics, mechanical or computational engineering. Experience in C++ and in numerical computations using finite element or boundary element methods is essential. Knowledge in wave mechanics such as vibro-acoustics, optics or quantum mechanics as well as Diffpack is desirable.

Due to EU requirements, the candidate must not have worked in Germany for more than 12 months in the last 3 years; German citizens wishing to apply must have worked outside Germany for 3 out of the last 4 years. **There are no further restrictions on the nationality of the applicant**.

Our Corporation

inuTech GmbH is a German consulting company offering software and consulting services in the mathematical and engineering area. inuTech develops and markets the Diffpack Product Line for numerical modelling and simulation and has in-depth experience in the realm of FEM-technology and engineering consulting services.

More information about the company can be found at www.inutech.de and www.diffpack.com.

Starting Date

This **postition is available from March 1, 2016** and will be offered on a fixed-term contract for a period of 18 months**.**

Applicants should send their detailed CV, together with the names and addresses of two referees, to:

inuTech GmbH
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