



CDH is an engineering consultancy with offices in Germany, Japan and the USA. As specialists in the application of finite element analysis, CDH combines many years of know-how in vibration analysis with the latest in computer technology. CDH proprietary software is used in vibration analysis departments throughout the automobile industry. CDH is currently an industrial partner in a European-Union funded EU-FP7 Madame Curie IAPP research project in the Computational Modelling and Analysis of Vehicle Body Noise and Vibration together with the University of Sussex in the UK. In this connection CDH is now offering a uniquely interesting post to a suitably qualified candidate.

## **Experienced Researcher (MER) - Structural Vibration**

### **EU-FP7 Marie Curie Industry-Academia Partnerships and Pathway (IAPP)**

#### **The position**

The experienced researcher will carry out and support research activities in the area of mid- and high frequency analysis. With the assistance of experienced programmers, the researcher will support the process of implementation of technology developed in the project into CDH analysis tools such as CDH/VAO. The post will involve team-working with the research group at the University of Sussex. The researcher will be expected to actively participate in the dissemination of research project results through scientific publications in journals, conferences and seminars. The successful candidate will be appointed, initially for a period of 2 years, as a senior researcher to the staff of CDH AG in Herbolzheim, near Freiburg in south-west Germany. Following this period, it is foreseen that the candidate will join the engineering staff of CDH on a permanent basis in Germany involved in the application of computer aided engineering tools in vibration and acoustic design of machines and structures.

Applicants should normally hold a doctorate degree in engineering with structural dynamics research experience in one or more of the following fields: energy-based finite element analysis, hybrid methods for mid-frequency vibration analysis, or statistical energy analysis. A candidate is required to have a total of 10 years research experience since being qualified to embark on doctoral studies. Since EU project funding is designed to engender trans-nationality of researchers, applications are invited from researchers of any nationality. Researchers must have resided outside Germany for more than 2 years in the last 3 years. German national applicants, however, must have resided outside EU member or associated states for at least 3 out of the last 4 years.

We offer the possibility to develop professionally while working in the challenging environment of a small, internationally active, technology company. The position, with an annual gross salary of **Euros 75.840**, is available immediately. Please send your full C.V. including a list of your publications to:

CDH AG

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*CDH AG is committed to equality of opportunity*