

**Marie Curie Early Stage Researchers in Computational Mechanics (2 posts)**

**Marie Curie Experienced Researcher in Computational Mechanics (1 post)**

**Cardiff School of Engineering**

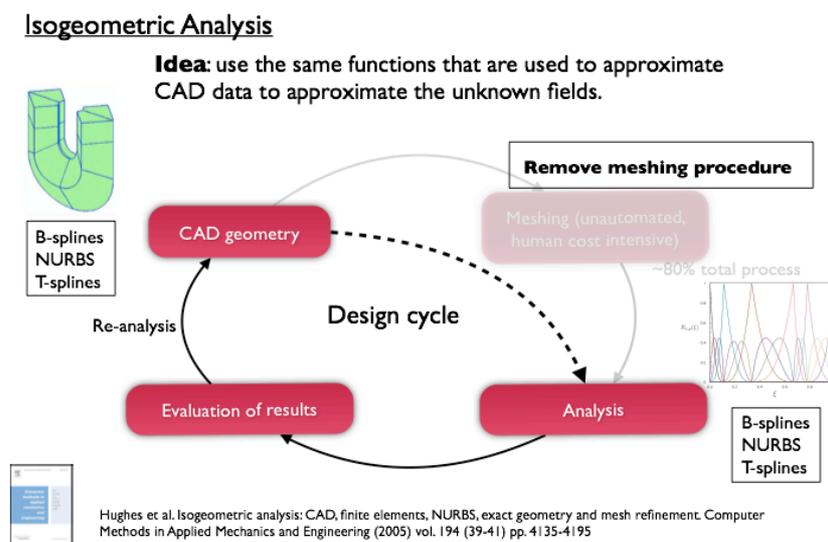


Figure 1. Example of CAD-Analysis transition – isogeometric analysis.

The objective is to develop and implement next generation methods to allow more efficient and cost-effective analysis, simulation and design of engineering products. The programme addresses the most urgent issues relating to CAD feature processing; pre-processing and mesh generation; numerical analysis/CAE; and Voxel based analysis.

Achieving these goals requires a strong collaboration between universities and companies, which is reflected in the composition of our team. You will join the research group led by Prof. Stéphane Bordas within the Institute of Mechanics and Advanced Materials (iMAM) at Cardiff School of Engineering. You will also have the opportunity to be involved in other related research projects led by Prof. Bordas and Dr. Pierre Kerfriden.

You will have gained a first class degree from a leading university in Engineering, Computer Science or Mathematics. An MSc in Engineering, Computer Science, Mathematics or Physics would be desirable. You will have experience in computational mechanics and prior involvement in leading competitive research and contributing to publications in this area. You will possess excellent organisational skills with a proven ability to prioritise and meet deadlines.

These posts carry stipulations relating to qualifications, research experience and residency laid down by the European Marie Curie Initial Training Network (FP7-People programme). These conditions may affect your eligibility to apply. Please refer to Section 3 (Person Specification) of the relevant Job Description for more details.

For further information, please email [Prof. Bordas](#) or [Dr. Kerfriede](#).

The Early Stage Researcher posts are fixed-term for 3 years, the Experienced Researcher post is fixed-term for 18 months.

Salary for Early Stage Researchers: ca. £33138 per annum.

Salary for Experienced Researcher: ca. £50467 per annum.

To work for an employer that values and promotes equality of opportunity, visit [www.cardiff.ac.uk/jobs](http://www.cardiff.ac.uk/jobs) telephone + 44 (0) 29 2087 9093 or email [vacancies@cardiff.ac.uk](mailto:vacancies@cardiff.ac.uk) for an application form quoting the vacancy number: 0665 (Early Stage Researchers) or 0664 (Experienced Researchers).

Closing date: 17:00 GMT on Monday 9 January 2012.