

Research associate
- Additive Manufacturing consultancy & software -
£27,000 - £35,000 (initial 18-month contract)

Do you have a passion for Additive Manufacturing?

If so, read on.

Econolyst is a small Additive Manufacturing technology consultancy with big ideas and even bigger clients. We work with companies all around the world looking for new ways of making products, from aircraft to F1 cars, from hearing aids to hip-implants. Our clients, who are both end-users and technology vendors, look to us to provide them with advice and knowledge on new and emerging additive manufacturing technologies and market opportunities.

To keep at the top of our game, we are involved in a number of long-term research projects focused on different aspect of Additive Manufacturing. These projects include the development of light-weighting software, web based carbon footprinting tools, and a knowledge based software solution to evaluation different AM processes based on part geometry.

So what does this role involve?

To support our research efforts, we are now looking to recruit an associate to work across our project portfolio. The role will involve the assessment and analysis of different additive manufacturing processes and the development of mathematical models and algorithms. Working in partnership with AM machine users, vendors and other researchers around the world, you will be responsible for developing algorithms to describe key attributes of different AM processes, such as surface finish, accuracy, feature definition, and build speed. You will also be asked to study the manufacturing economics of different AM processes, and the longer term life-cycle implications of using AM parts in production applications.

Your experience

You will be a graduate, with at least a 2:1 honours degree in mechanical or manufacturing engineering, or mathematics or science. You may also have a second degree at masters or PhD level. You will have some existing background knowledge of additive manufacturing, probably as part of your post graduate studies. We don't expect that you will have ever had a job exactly like this before, so please remember that it is the person that we are looking for, not necessarily your last job role or degree course.

About you

If you need day-to-day direction and management, this isn't the job for you. We need a highly motivated and confident individual, who is not afraid to speak out. You will have excellent written and verbal communications skills and an analytical mind. You will need to be highly confident, as you will be expected to represent Econolyst at meeting with partners across Europe and possibly further afield. A second language would be advantageous.

Most of all, you will need passion to work within a small business and be part of a small team with big ideas. We want this company to grow and the people in it to grow with it.

If you are interested in this opportunity, please send a CV and covering letter outlining your salary expectations, and explaining why you are the perfect candidate for this role. All contact should be directed by email to phil.reeves@econolyst.co.uk

Closing date for CV's – Monday 13th September 2010