

Sponsor a PhD or EngD Project through the AMS CDT.

The Centre for Doctoral Training in Advanced Metallic Systems (AMS CDT) is funded by EPSRC and SFI, and is delivered across the Universities of Sheffield and Manchester in the UK, and the I-Form Advanced Manufacturing Research Centre at Dublin City University and University College Dublin in Ireland.

The AMS CDT recruits 19 students per Cohort, to start each September in the 4-year programme, and takes the students through a foundation year of materials training, and then a 3.5 year doctoral research project in advanced metals manufacturing, processing, and characterisation. The professional interdisciplinary skill set required is also taught through our professional skills training programme, to underpin the development of future leaders in this critical growth area.

The first 9-months for students covers core materials topics, including: solidification, phase transformations, modelling, structure, and properties of metals and alloys. Students also dedicate 6-months to a research module aligned to their doctoral project. In years 2 - 4, students undertake their PhD project with two academic supervisors and are closely linked to their industry sponsor. Students are typically based on university campus, but often undertake a placement with their sponsor, and via the University continue their professional skills training.

Why sponsor an AMS CDT project?

The AMS CDT is a cost-effective, flexible opportunity for you to collaborate in a research project tailored to your business requirements, whilst utilising our world-class research facilities and academic expertise. Our students typically have a close relationship with their industrial sponsor throughout the project, and undertake a placement.

- Cost-effective route to collaborating on a 3.5 year, full time, research project,
- Research projects are scoped to meet the requirements of the sponsor,
- Access to high calibre students, many of whom hold previous relevant industrial experience,
- Access to state-of-the-art University equipment and facilities,
- Excellent recruitment opportunity.

Cost of sponsoring a studentship

Our studentships are supported by EPSRC and SFI funding, which covers a significant portion (approx. 55%) of the studentship training, stipend, and tuition fee costs. The whole 4-year cost is £58,000 for a PhD or EngD project. Sponsors typically pay via annual invoice.

How to engage with the AMS CDT

We recruit our students directly to a PhD project between December - July each year, and advertise projects online via FindaPhD.com and the AMS CDT website [sheffield.ac.uk/metalliscdt]. Candidates apply to a project via the host University. Whilst we manage the recruitment process, we encourage industry sponsors to participate in candidate selection. We can offer up to 14 projects at the UK universities, and 5 projects at I-Form, in each Cohort.

We are happy to discuss a new project proposal at any time, and aim to release projects for advertisement once the scope and funding are confirmed. To discuss the scope for a potential project, identify academic project supervisors and equipment, or discuss our recruitment process, please contact the AMS CDT team:

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