

Steel and Metals Institute (SaMI)



Swansea University
Prifysgol Abertawe

College of Engineering
Coleg Peirianeg



Swansea
University
Prifysgol
Abertawe

Steel and Metals Institute
Sefydliad Dur a Metelau

An open access centre delivering innovation through partnerships in the UK steel and metals supply chains.

Summary

The Steel and Metals Institute, opened in February 2018, is based at Swansea University's Singleton Campus. It is an open access Institute delivering innovation through partnerships. Its mission is to create a 21st century steel and metals industry, building strong links between academia and industrial partners and facilitating collaborative relationships between its members.

The Institute has a range of equipment that provides for research into decarbonisation, alloy synthesis, process simulation, mechanical testing and materials characterisation.

This complements other facilities within the College of Engineering such as AIM (Advanced Imaging of Materials) and MACH1 (the Materials Advanced Characterisation Centre). Members of the Institute can also access bespoke packages of research activity and a more comprehensive service.

As a University-based Institute, the Steel and Metals Institute can access funding for science and innovation research, as well as providing access to a vast range of expertise via its academic colleagues. The Institute can also support industry-led applications to various funding bodies.

The focus is on identifying solutions to industry challenges, including process and product optimisation, through a collaborative cluster of enhanced research capability. Partnering with Industry, the Steel and Metals Institute aims to enhance knowledge exchange, ensuring acceleration of impact for its members.

Capabilities

- Alloy development and thermochemical processing
- Mechanical testing and structural integrity
- Materials characterisation
- Simulation and integrity testing in extreme conditions



Funders



Llywodraeth Cynulliad Cymru
Welsh Assembly Government

Find out more

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