

Prof. Stephen Brown

Title of the Talk: Modelling Heat Transfer in Powder Bed Additive Manufacturing

Professor Stephen Brown, Head of the College of Engineering at Swansea University, has a background in metallurgy and numerical modelling. He has extensive experience of molten metal research especially in the area of casting. More recent research is focussed on computational materials modelling especially linking simulation to physical measurements for example on the FP6 IMPRESS project where he coordinated 14 international numerical modelling groups, FP7 MultiHy involving multiscale modelling, FP7 AMAZE involving experimentation and modelling of SLM additive manufacturing and an Innovate UK project involving industrial application of the same. More recent work in the MACH1 centre at Swansea involves creating combinatorial high-throughput techniques and new predictive algorithms for alloy discovery. Recent publications can be found at <http://www.swansea.ac.uk/staff/academic/engineering/brownstephen/>.

