



Speaker



Swansea University
Prifysgol Abertawe



Talal Said Abdullah

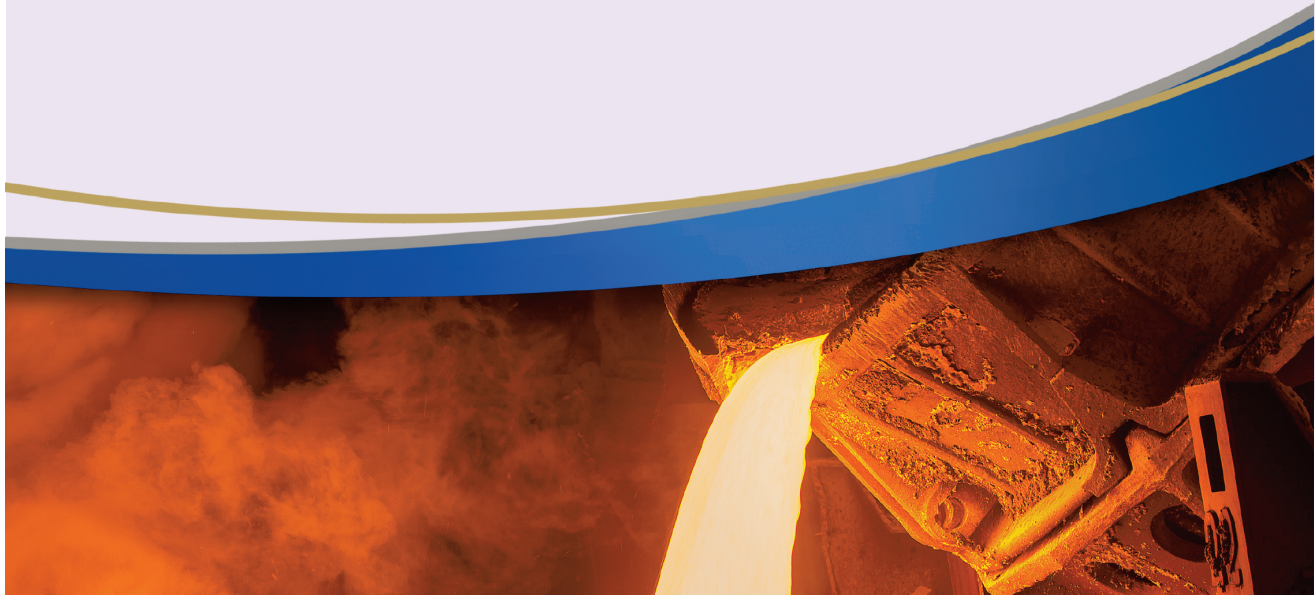
Development of improved formability interstitial free steels

SPEAKER / LEAD AUTHOR:
Talal Said Abdullah

INSTITUTION:
Swansea University

ABSTRACT:

Improving the formability of Interstitial Free steels is the project's aim and rapid alloy prototyping (RAP) is an effective way of tackling this endeavour. Miniaturised test samples of DX57 will be subjected to tensile testing with intentions of being able to extract the R-value in a repeatable fashion. The aim is to see if measurements are representable to that of its standard samples. The idea is to be able to roll out 200g RAP strip in the rolling mill, and to have several Mini 2 bars sampled and tensile tested for mechanical properties. Running experiments with large amounts of material on an industrial plant is slow and expensive. If small scale production of alloys showing representative structures and giving realistic results from miniature testing could be achieved, then this would represent a major improvement and acceleration in novel steel grade design.



Organised by:



Materials Processing Institute



ARMOURERS & BRASIERS' COMPANY

I.M3

