

Swansea  
University  
Prifysgol  
Abertawe

Poster 12

## *The effect of processing variables on ZnMgAl alloy coating characteristics*

*AUTHOR OF POSTER:*  
**Daniel Britton**

*INSTITUTION:*  
**Swansea University**

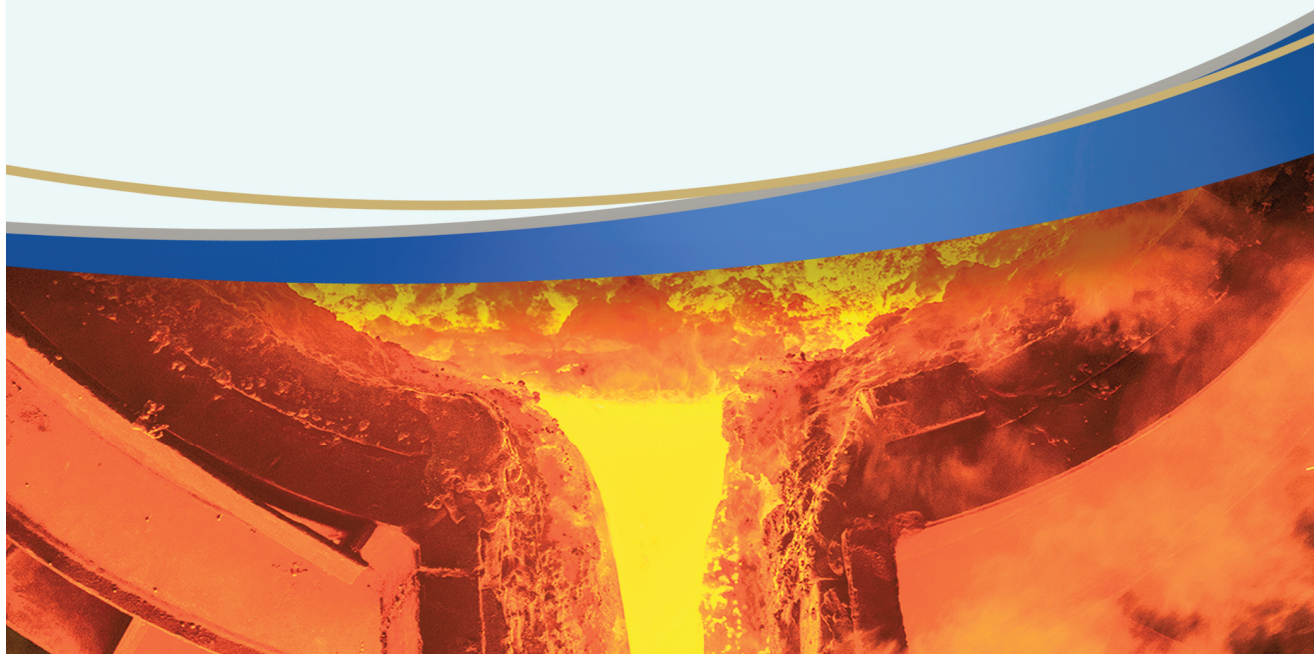
### *ABSTRACT:*

An abundance of research on ZnMgAl metallic coatings has shown a great improvement on corrosion protection compared to traditional galvanising, whilst also providing numerous advantages during automotive manufacturing.

To compete with worldwide innovation, UK steel manufacturers are currently looking to further improve the coating; in particular the quality of surface finish, formability and corrosion resistance. This novel research will look to identify the effect of processing variables on the characteristics of ZnMgAl coatings using material from a continuous hot dip galvanising line and Swansea University's new state-of-the-art hot dip simulator.



**Daniel Britton**



Organised by:



**Materials  
Processing  
Institute**



ARMOURERS &  
BRASIERS' COMPANY

**I·M3**

Associate Sponsor:



[www.M2A.wales](http://www.M2A.wales)

