



INVITED SESSION SUMMARY

Title of Session:

Manufacturing sustainability through digital technology, people and policy

Name, Title and Affiliation of Chair:

Professor Jill MacBryde, University of Strathclyde

Details of Session (including aim and scope):

Jill MacBryde is Co-Director of “InterAct” which is a UKRI funded Network and part of the Made Smarter family. InterAct is an ESRC funded network that aims to bring together economic and social scientists, UK manufacturers, and digital technology providers to address the human issues resulting from the diffusion of new technologies in industry.

In a world faced with the looming threat of climate change, the InterAct Network will also support UK manufacturing’s efforts to achieve Net Zero by 2050. Whilst technology is important, there are many social and economic factors that will be hugely influential in achieving these aims.

This session will focus on how we can improve manufacturing sustainability using digital technology and in particular the **role** of people and policy. We will also discuss the **impact** on people and communities.

Whilst many of the people listed below are from the UK and involved in the Made Smarter community (and this has been discussed in a meeting with the people names), we will spread word through our respective networks to a much more international audience.

We envision a half-day (potentially more depending on interest) session with 6-8 papers.

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

ESRC funded InterAct core research theme – “the future of manufacturing work” – Jill MacBryde, Colin Lindsay, Robert Stewart

ESRC funded InterAct core research themes – “the future of the Economy” – Vania Sena.

EPSRC funded Made Smarter Centre for People Led Digitalisation - Linda Newnes, Susan,

EPSRC funded Made Smarter Digital Medicines Manufacturing Centre – Andrea Johnstone, Alastair Florence

EPSRC funded Materials Made Smarter Research Centre

EPSRC funded Made Smarter Research Centre for Connected Factories

EPSRC funded Research Centre for Smart, Collaborative Industrial Robotics

Website URL of Call for Papers (if any):

We will use the InterAct website (below), LinkedIn and twitter accounts to promote this special session.

<https://interact-hub.org/>

Email & Contact Details:

Jillian.macbryde@strath.ac.uk