INVITED SESSION SUMMARY – Second Call (new deadlines)

Title of Session:

DESIGN VERIFICATION IN THE CONTEXT OF THE LIGHT CONTROLLED FACTORY

Name, Title and Affiliation of Chair:

PROFESSOR PAUL G MAROPOULOS, University of Bath, UK

Details of Session (including aim and scope):

Sustainable manufacturing operations need to incorporate advanced, closed loop and integrated aspects of verification dealing with aspects of the product, the process, the manufacturing system and the enterprise. This is essential if industry were to meet its targets of energy reduction, waste reduction and elimination as well as improving the efficiency of manufacturing processes.

The aim of the proposed Session will be to deal with technical, information flow, modelling and organisational aspects of design verification in the context of the emerging factory of the future.

The scope of the Session will cover the following:
- Design specifications, design methods and DfX
- Design modelling and analysis for verification and manufacturability
- Design modelling and analysis for improving assembly and disassembly
- Physical product verification technologies – testing, measurement
- Physical process verification technologies – testing, measurement and control
- Process capability
- Quality control
- Metrology and testing technologies and systems
- Modern factory of the future technologies , including; the light controlled factory
- Data modelling and information flow for closed loop produce and process verification
- PLM perspectives of verification – from digital to physical – at enterprise level

KEY DATES: Papers by: 27th February 2015, Response/Acceptance by 12th March 2015, Papers Final Paper Uploaded by 27th March 2015

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

University of Bath, Loughborough University, UCL, Cardiff University, University of Greenwich, University of Bristol, Cranfield University, NPL

Website URL of Call for Papers (if any):

Information for Authors: http://sdm-15.kesinternational.org/submission.php
Submit paper: http://sdm-15.prosemanager.com/submitpaper.asp

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