

Invited session : New trends in distributed supervision in industry 4.0 context

Organizers:

M'hammed Sahnoun, LINEACT/CESI, France.

msahnoun@cesi.fr

Mohammed Dahane, Université de Lorraine, France.

mohammed.dahane@univ-lorraine.fr

Bettayeb blegacem , LINEACT/CESI, France.

bbetayeb@cesi.fr

He Allen, University of Exeter,

N.He@exeter.ac.uk

Industry 4.0 represents the industrial revolution of data, which introduce a new generation of intelligent production tools and new technologies for the supervision, simulation and optimisation of the manufacturing processes. New methods should be developed to deal with the complexity of the new generation of production systems to ensure more flexibility, reconfigurability and efficiency.

This invited session is interested in studies dealing with the following topics but is not limited to:

- distributed simulation of the production system
- dynamic scheduling
- distributed supervision
- decision-making system in smart production systems
- distributed simulation
- optimisation of production
- stochastic optimisation
- dynamic quality control
- simulation and optimisation for operation decision

-...