

Workshop (W 1.20)

“Model Driven Approach for Manufacturing modelling and Simulation”

Madeira Island, Portugal

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The **MSEE project** (Manufacturing Service Ecosystem) (MSEE 2014) has developed a **set of concepts and tools to design, simulate and generate services**. Among the results, the **MDSEA (Model Driven Service Engineering Architecture)** and its supporting tool: **Manufacturing Service Tool Box (MSTB)** can be mentioned with the simulation based on G-DEVS as a formal Modelling and Simulation (M&S) language

The goal of the workshop is to discuss the interest of using MDSEA and MSTB through different projects: C2NET, PSYMBIOSYS, OSMOSE, BEinCPPS for Requirements Extraction, Solutions: Design, Development, Testing and Implementation, Performance indicators

An innovative structure “Community Group” formed of various partners will be presented and discussed for the future development of the MDSEA, MSTB and Simulation.

Programme:

1. Introduction: Guy Doumeingts
2. MDSEA /MSTB: Amir Pirayesh, Guy Doumeingts
3. Model Transformation: Greg Zacharewicz
4. Simulation: Greg Zacharewicz
5. Use in C2NET: Amir Pirayesh
6. PSYMBIOSYS, Amir Pirayesh
7. OSMOSE, Carlos Agostinho
8. Presentation of an Innovative structure “Community Group” to continue to develop MDSEA/MSTB (Guy Doumeingts)

Target Attendees

- Industry, academia

Chair:

- Guy Doumeingts (guy.doumeingts@interop-vlab.eu), Interop VLab, (France)

Co-Chairs:

- Gregory Zacharewicz (gregory.zacharewicz@ims-bordeaux.fr), University of Bordeaux (France)

Organizing Committee: