



## **Hybrid Approaches for Production Planning and Scheduling**

In the Industry 4.0, the concept of “smart factory” has emerged: thanks to a strong integration between information flows and production decision processes, it becomes possible to develop decision tools based on a better consideration of specificities of the production systems (for example, by using digital twins to evaluate the performance of manufacturing processes).

In this context, the development of hybrid methods combining optimization and discrete-event simulation is a major challenge: the aim of this special session proposed by the French Research Groups ORIGIN and SED is therefore to focus on these hybrid methods for planning and scheduling problems.

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