

Special Session/ Special Track proposal for MIM 2022 conference

Select One: A Special Session (up to 5 papers)

1. Session/Track Title: **Recent Advances in Sustainable Manufacturing**

2. Session/Track Objectives and Scope:

In today's highly competitive markets, sustainability is quickly becoming a priority for manufacturing companies to consider in addition to time, quality and cost. A sustainable future requires a holistic view of systems: environmental, economic and social factors must be considered to meet the needs of the present without compromising the ability of future generations to meet their own needs. Many environmental laws and regulations are already in place today, such as increasing electricity tariffs and fuel prices, carbon footprint reduction and energy consumption, which already show the importance of the issue. The manufacturing industry, as a major consumer of energy and resources, must adapt to the new circumstances and break new ground. Therefore, a comprehensive approach that takes into account both the product and, in particular, the processes required for its production is needed. Furthermore, new strategies and business models are needed to lead companies into a sustainable future.

This special session will provide a forum to investigate, exchange novel ideas and disseminate knowledge covering the broad area of sustainable manufacturing in nowadays industry. Experts and professionals from academia, industry, and the public sector are invited to submit papers on their recent research and professional experiences on the subject. High quality papers reporting on relevant reviews of existing literature, theoretical studies, case studies, inter-disciplinary research are all very welcome.

3. Organizer(s):

- Dr. Hichem Haddou-Benderbal, Aix-Marseille University, Marseille, France, hicham.haddou-ben-derbal@univ-amu.fr
- Magdalena Paul, Technical University of Munich, Germany, magdalena.paul@iwb.tum.de
- Prof. Lyes Benyoucef, Aix-Marseille University, Marseille, France, lyes.benyoucef@lis-lab.fr
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4. Expected number of papers: 5