

## Expanding the Horizons of Manufacturing: Towards Wide Integration, Smart Systems and Tools

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Deadline for manuscript  
submissions:  
**closed (15 December 2021)**

### Message from the Guest Editors

This research topic aims at enterprise-wide modeling and optimization (EWMO) through the development and application of integrated modeling, simulation and optimization methodologies, and computer-aided tools for reliable and sustainable improvement opportunities within the entire manufacturing network (raw materials, production plants, distribution, retailers, and customers) and its components.

- Development of advanced mathematical models and methodologies:

-- The network design problem

-- The supply chain planning problem

-- Integration of production, financial and environmental aspects, risk, and uncertainty.

The expected models will tackle a multiobjective view:

- Development of detailed production scheduling at plant level

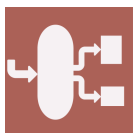
- Integration of the tracking system of network dynamics

- Development of suitable frameworks and algorithms

- Development of software prototypes ...

More information can be found at: [https://www.mdpi.com/journal/processes/special\\_issues/manufacturing\\_horizons](https://www.mdpi.com/journal/processes/special_issues/manufacturing_horizons)





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