



POZNAN SCHOOL
OF LOGISTICS

Special session title

Logistics 4.0: solutions, challenges, benefits, threats

Reasons for including the session in MIM2019:

MIM conferences are famous for their high scientific level and recognized among academics conducting research in manufacturing management, modelling and control, as well as practitioners representing various industries. Logistics is an important enabler and integrator of manufacturing processes and supply chains, and as they become more and more advanced, it needs to become advanced as well. Hence, as a natural consequence of implementation of Industry 4.0 solutions to manufacturing processes, a set of automated, autonomous and intelligent solutions for logistics has been developed, and the term Logistics 4.0 was coined. As members of the Scientific Committee of the Session believe that combining advanced solutions in manufacturing and logistics results in synergetic increase of companies' potential and improved customer service level they decided to invite papers on solutions, challenges, benefits, threats emerging from the Logistics 4.0 concept. The research field defined for the session is interesting also from academic perspective, because the Logistics 4.0 idea has not been widely discussed in the literature yet.

Brief description of the scientific scope of the session:

This session intends to present and discuss recent logistics solutions supporting Industry 4.0 implementation and high-end independent logistics solutions, generally referred to as Logistics 4.0. Industry 4.0 is a topic widely discussed and referred to, while logistic support, necessary to conduct manufacturing processes is not commonly considered. Moreover, logistics has to deal with growing requirements, complexity and dynamics of contemporary global supply chains. Hence, the session will be a good opportunity to exchange views on potential of Logistics 4.0 solutions and challenges faced by companies striving for Logistics 4.0 implementation.

List of topics of interest includes, but is not limited to:

1. Concept of Logistics 4.0
2. Industry 4.0 implication in logistics
3. Logistics 4.0 consequences for resources management
4. Automated and autonomous solutions for logistics
5. Digitization in logistics

6. Information flow and storage in companies and global supply chains
7. Data analysis in logistics and supply chain management
8. IT support for logistics processes performance
9. Smart solutions in logistics

Members of the Session Organizing Committee

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Members of the Session Scientific Committee

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