Spare Parts Management and Maintenance Optimization
Session organizers: Joachim Arts and Rob Basten

Capital assets require maintenance and servicing throughout their long life cycle. Service logistics encompasses all processes that are required to get the right amount of spare parts, service engineers, and tools at the right place at the right time, so that maintenance can be performed efficiently and effectively.

The topic includes, but is not limited to:

- Spare parts management
- Condition-based maintenance, and its effect on spare parts provisioning costs
- Inventory models for spare parts and service tools
- Scheduling of service engineers
- Design of spare parts distribution networks
- Forecasting of failures and remaining useful life estimation
- The effect of remote monitoring and diagnostics on total costs
- Service contracts and customer differentiation
- The effect of design decisions for new systems on their Total Cost of Ownership
- New business models for collaboration between users on service logistics
- Game-theoretic models on the relationship between OEM-s, third party service providers and users

If you are interested in joining these sessions, then please do the following.

-Send an email to Joachim Arts so that we know that you will submit an abstract (joachim.arts@uni.lu). If you are not sure whether your topic fits, then please send Joachim Arts an abstract based on which the session organizers can form an opinion. - You submit your abstract via the web site for the ISIR conference: **http://www.isirsymposium** When you submit you can denote that you want to join the sessions on **Spare Parts Management and Maintenance Optimization**

Abstract submission deadline: 31 March 2022

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