

## Maintenance & Service Logistics

**Session organizers:** Joachim Arts & Rob Basten, [j.j.arts@tue.nl](mailto:j.j.arts@tue.nl), [r.j.i.basten@tue.nl](mailto:r.j.i.basten@tue.nl)

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 would include, but 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 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
- Game-theoretic models on the relationship between OEM-s, third parties and users
- [Aviation inventory management systems \(co-ordinated by Prof. A.A. Ghobbar\)](#)

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

- Send us an email so that we know that you will submit an abstract ([j.j.arts@tue.nl](mailto:j.j.arts@tue.nl), [r.j.i.basten@tue.nl](mailto:r.j.i.basten@tue.nl)). If you are not sure whether your topic would fit, then please send us an abstract on the basis of which we can form an opinion.
- You submit your abstract via the web site for the ISIR conference: <http://www.isirsymposium.hu/>. When you submit you can denote that you want to join the sessions on Maintenance&Service logistics.

**Abstract submission deadline: March 31, 2016.**

### Contact details of the session organizers:

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