

12 March, 14:00 – 15:30

**Session Title:** **Functionality Driven Mechatronics Design: Do we answer the right questions?**

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**Organiser(s):** Markus Grebenstein, DLR, Germany  
Giorgio Metta, IIT, Italy

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**Content:** Mechatronics hardware is a key challenge in robotics and maybe the oldest research topic in robotics. Hence, it is very likely that the underlying technology is quite mature on one hand, but on the other hand there is a significant danger that the questions mechatronics development answers are outdated and do not perfectly fit the needs of current robotics research. This workshop intends to identify where research is based on dogmas and assumptions and to derive what is needed for future “better robots”.

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**Agenda of the workshop:** 10 minutes introduction.  
4-5 presentations of 10 minutes each, given by experts from industry and academia.  
30 min moderated discussion to derive/approve key challenges in mechatronic developments.

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**Speaker(s):** TBC

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