

Implementation of an adaptive active knee orthosis

The need for innovative medical devices for lower limb rehabilitation is growing. The ZMS is working on the research for Exoskeletons and active Orthoses. To make these systems easier to customize we have a look at Soft Robotic solutions to create highly adaptive orthoses shells.

Objectives and Tasks:

- Research and Development of Soft Robotic principles for adaptive shells of an active knee orthosis
- Implementation of a proof of concepts for an adaptive active knee orthosis
- Verification of the Implementation



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