Ergonomic Human-Robot Collaboration: Opportunities and Challenges
- Discussion

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The questions we want to address:

- How to clearly define the measures for ergonomics in human-robot collaboration?
- Are the proposed ergonomic measures sufficient to ensure ergonomic conditions and prevent work-related injuries in terms of bio-medical aspects?
- How to improve the existing modelling of the human and effectively apply it to achieve ergonomic human-robot collaboration?
- Learning algorithms may help the robot to overcome some of the above-mentioned issues.
- What kind of additional sensory feedback systems are required?
- How can robot learning methods be utilized to this end?
- What are the challenges in achieving the proposed goal in different applications (i.e. industrial human-robot collaboration, wearable robots, service robots, etc.)?