



# International Journal of Social Robotics

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## *Towards Safety in Human Robot Interaction*

### Guest Editors:

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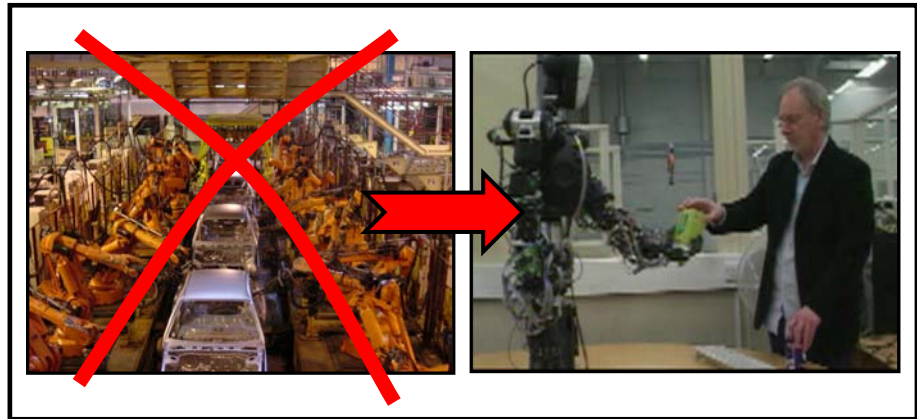
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Would you feel confident of approaching and touching a heavy duty production assembly robot in operation? Possibly not

...

The future goal is to bring generations of humans and humanoid robots together, which requires *safe interaction* of humans with robots.

The aspect of *safety* might be achievable by the following



- active and passive compliance in the robot
- the impression of trust created through the way the robot moves and interacts with a human
- recognition of the human through multi-modal sensory action, e.g. vision and touch
- suitable avoidance strategies which prevent the robot from forcefully interacting with a human
- integration of many possible approaches to allow for humans and robots to interact safely and confidently

The guest editors, Dr Guido Herrmann and Professor Chris Melhuish, would like to invite researchers from the field of robotics and human machine/robot interaction to contribute to the special issue of International Journal of Social Robotics in the field of

### **Safety in Human Robot Interaction.**

Prospective authors are invited to make submissions by 15 September 2009 to

<http://www.editorialmanager.com/soro/>

Acronym: Safe Humanoid Robots

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