

The Robotdalen Scientific Award

Honorable Mention

Sami Haddadin, MSc
German Aerospace Center

Haddadin's thesis addresses some of the serious technical issues that will have to be resolved before it will be possible for Asimov's famous first law – that robots must not harm humans – can actually be implemented. It focuses in particular on accidental injury due to collision between robots and people with overlapping workspaces, identifying and addressing the necessary kinematic, dynamic, and sensing issues. It does this in a practical way that does not forbid all contact, but rather quantifies and distinguishes inconsequential from harmful collisions.

Västerås, Sweden, September 9, 2009

Rose-Marie Frebran

Rose-Marie Frebran, Chairman of Robotdalen's board

Peter Wide

Peter Wide, Chairman of the Jury



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