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## Titel

### Kornknecht - High-Precision, Low-Cost Indoor Localization

#### Kurzbeschreibung

**Motivation:** Grain of various sorts is normally stored in silos. Due to heat, humidity, insects, etc, this grain might get spoiled, which results in huge amounts of money losses for farmers worldwide. Mixing is a surprisingly simple care action for which Wellenbrock, has developed a special-purpose robot (see figures above). The robot propels by lifting some grain and pushing it backwards, and it steers by switching on and off either of the two motors.

## Bearbeiter



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## Publikationen

- Wehden, D., Salomon, R., Schneider, M. Low-Cost Sonic-Based Indoor Localization for Mobile Robots. In *Proceedings of the 3rd Workshop on Positioning, Navigation and Communication (WPNC 2006)*, pp. 53-58, 2006.
- Salomon, R., Schneider, M., Wehden, D. Low-Cost Optical Indoor Localization System for Mobile Objects without Image Processing. In *11th IEEE International Conference on Emerging Technologies and Factory Automatio*, pp. 629-632, 2006.

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