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### Schnelleinstieg

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## Titel

### LSB - Precise Localization by Superposing Beats

### Kurzbeschreibung

**Motivation:** Global localization systems, such as GPS, are omnipresent in our everyday life. Despite their successes, they do have certain technical limitations. For example, GPS is not able to yield a resolution of a few millimeters nor can it be used in indoor environments or underneath trees etc. However, some applications, such as self-organizing smart appliances ensembles and in grain silos operating grain butlers, heavily depend on those properties. Further constraints are a potentially low price and adaptivity to changing requirements.

### Bearbeiter



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### Veröffentlichungen

- Schneider, M., Salomon, R. Localization by Superposing Beats: First Laboratory Experiments and Theoretical Analyses. In *Proceedings of the 13th IEEE International Conference on Emerging Technologies and Factory Automation (ETFA 2008)*, pp. 319-325, 2008.
- Schneider, M., Salomon, R. The Localization by Superposing Beats Procedure: A Method for a Indoor Localization System. In *Proceedings of the 2nd International Conference on Positioning and Context-Awareness (PoCA 2011)*, 2011.

### Links

- [Link zur Projektseite - http://www.amd.e-technik.uni-rostock.de/ma/rs/projects/lb.html](http://www.amd.e-technik.uni-rostock.de/ma/rs/projects/lb.html)