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Title: Fuzzy Extended Kalman Filter for Dynamic Mobile Localization in Urban Area Using Wireless Network

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Fuzzy Extended Kalman Filter for Dynamic Mobile Localization in Urban Area Using Wireless Network

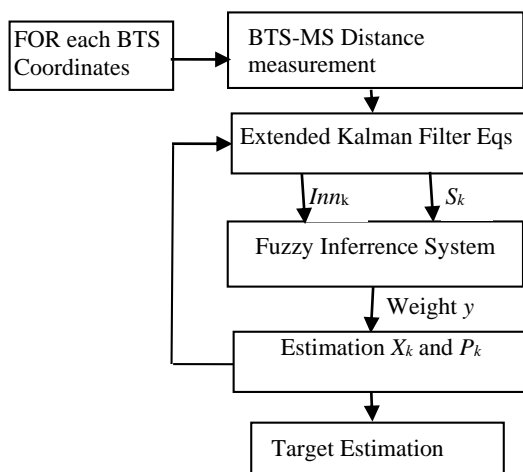
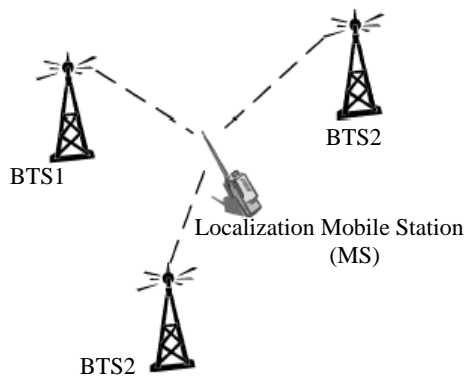
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Graphical abstract



Highlights

- New proposal for hybrid estimator based on combination of extended Kalman filtering and zero-order Takagi-Sugeno inference system
- Comparison of the performance of the new estimator with classical estimators
- Application of the proposal to mobile positioning in wireless network
- Evaluation of the proposal using both simulation and real-time environmental settings.

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