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### Improvement in the Geofencing Service Interface Using Indoor Positioning and Mobile Sensors

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Abstract. The current state of location-based services provides spatial information such as position data taken from GPS sensors. However, sometimes the spatial information is not accurate. In particular, push-based or passive information delivery has a high probability of information leakage. We propose a new spatial information delivery to improve the integrity of information. We conducted an experiment using an Indoor Messaging System and an accelerometer. The proposed methodology can detect user behavior without accessing personal information.

[Conference Paper](#) (PDF, 568 KB)

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