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TrailCare: an Indoor and Outdoor Context-aware System to Assist Wheelchair Users

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Highlights

- We propose TrailCare, a context-aware system to assist wheelchair users.
- TrailCare recommends accessibility resources in indoor and outdoor environments.
- The switching between indoor and outdoor environments is automatic and transparently.
- We implemented a prototype of a smart wheelchair based on RFIDs and mobile technologies.
- Ten wheelchair users tried TrailCare, allowing us to learn and share ten lessons.

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