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» Abstract

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Category	Navigation Systems and Applications
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Title of the Paper	GPS Audio Guiding System
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Abstract	<p>This paper presents a GPS audio guiding system. Data from a GPS can be easily placed on a graphic display together with a corresponding map. For audio guiding systems, however, telling distance and direction from major landmarks such as towns along the highway is more suitable. Therefore, GPS data must be transformed to become landmarks which can be later pronounced via combination of pre-recorded words. The system is built using ARM7 microcontroller with audio playback capability. Since its compact size, the system can be equipped into a car and successfully tested.</p>
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