User-Generated Audio Tours Integrated with Egocentric Maps

maPodWalk: for spatial communication with user-genarated audio tours

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Audio Tours with Egocentrc Maps (Visual Maps)

[Backgrounds]

- 1. Emergence of user-genrated audio tours for listening place-related information on mobile media players
- 2. Prevalence on sharing daily information and digital content between users on online map services
- 3. Difficulty of spatial recongnition and movements by listening only audio for users on audio tours.

[Porpose]

- 1. Designing and developing methods for high quality audio tours with egocentric maps
- 2. Developling authoring tools(maPodWalk Maker) for sharing user-generated maPodWalks

[maPodWalk]: Aduio Tours with Synchronized Maps

Audio (Recorded Narrations)



Egocentirc Maps





Playing maPodWalk (Playing on a display of Apple iPod touch)

maPodWalk (Audio Tours with Egocentric Maps)

maPodWalk Maker

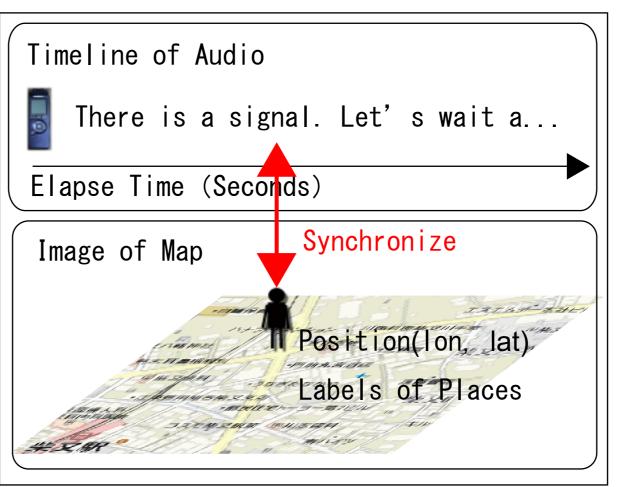
Development of authoring tools for new audio tours-- Providing envrionment for sharing place-rateded information with maPodWalk content



Snapshot of Auhtoring Tool with Audio and Maps: maPodWalk Maker

Map Data from Zenrin Co. Ltd.

- 1. To share place-rerated information with audio(narration) and egocentric maps.
- 2. Recording audio content with positions of maps and timeline of audio
- 3. Providing environment for creating and sharing vrious maPodWalk between users.



A Method of Synchronized Audio with Maps

Map Data from Zenrin Co. Ltd.



Example of maPodWalk content (Snapshot on Apple iTunes)

Urban Trips with maPodWalk

Spatial Communication with maPodWalk

- 1. Lisnters can get place-ralated infroamtion and walk in city (without uneasiness about losting lisnters' sway) with narration and maps on maPodWalks.
- 2. Authoring Tools for user-oriented audio tours --sharing place-related information (shift from commercial media and mass media to personal media)
- 3. Urban trips with maPodWalk -- new spatial communication with audio and synchronized maps

Example of An Urban Trip with maPodWalk (Spatial Recongnition and Sharing Contexts and Narrative Stories Related with Places)



a. Trip with maPodWalk



b. Enforcement of Narrator and Listner



c. Navvigations (without GPS device)



d. Viewing outside area of maps. with audio

Time

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