Managing private spatio-temporal information and story based spatio-temporal content

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Most of your experiences in daily life are related to a location and a date. User generated content like Blogs and SNSs come into wide use, and mobile devices what utilize GPS, acceleration sensor, other sensors and networking function become popular. So you can record private information related to current location and date with using these environment. But most of these systems display only your information items are lined up in order of making date. When a person transmits a series of information items to others, it constructs a story using these items for efficient communication. Although a story is mainly constructed like a chronological table, if it has geographical representation on a map, it will be more understandable story.

We developed a new location information system with user defined maps and chronological table. It provides users with an environment for recording their own spatio-temporal information, and they can create and publish story based spatio-temporal content using their own information. If you express an old thing on current map, the map does not have appropriate information because geographical space is changed with time. Then our system utilize user own images for background maps, and it makes links between current maps and user defined maps using shared information items on both maps. On the pTalk, users can create story based spatio-temporal content for publishing private spatio-temporal information items. Appropriate organization of private information is a method for publishing safely and understandable.