

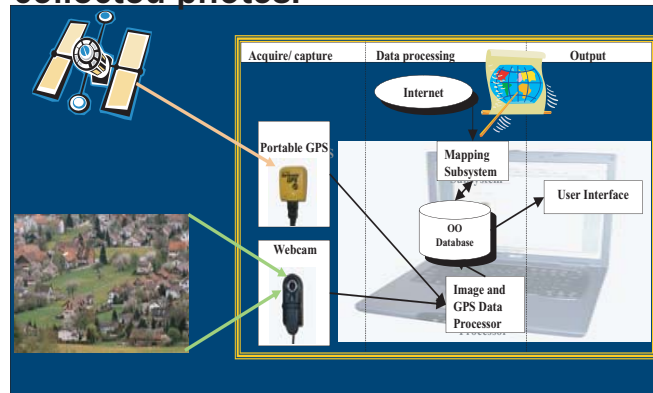


Embedded, Wireless, & Mobile Computing Group

A Mobile GPS based Photo Registration System

Lee, J & S. H. Courellis
CS Dept., California State Univ., Fullerton

Description: Design and implementation of a mobile photo collation system that uses GPS to label pictures as they are taken and used a web mapping service to associate and visually place the collected photos.



Applications

- Forensic photo-evidence collection
- Scientific outdoor photo collection
- Amateur and professional photography (vacation, touring, ...)

Focus

Embedded computing devices, Real-Time operating systems, Algorithms for reliable wireless communication, MANETs, Sensor & Actuator networks, Medical Mobility

Proposed Courses

- Computer Communications
- Embedded Systems Architecture
- Wireless & Mobile Networks
- Embedded Computing
- Advanced Mobile Computing & Sensor Networks

Group Members

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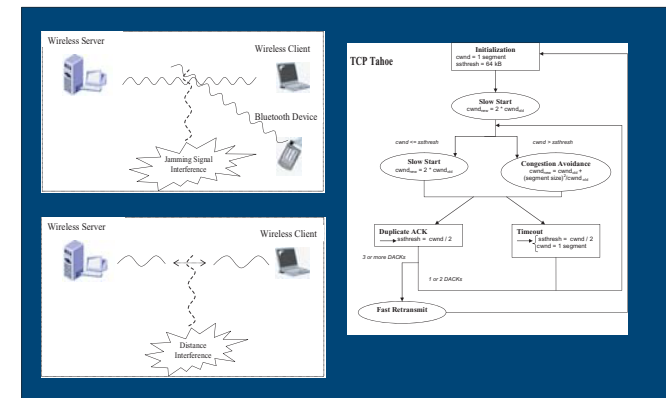
Collaborating Groups

- Computer Security and Forensics
- Data Mining and Bioinformatics
- Multimedia, Computer Games, & Digital Animation
- Software Engineering
- Web & Internet Technologies

New TCP algorithms for wireless portable devices

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Description: Investigation of the effect of traditional and new TCP algorithms in erroneously perceived congestion control associated with wireless IP enabled portable devices.



Applications

- Wireless PDAs & Mobile Phones
- Satellite based TCPIP Communication
- Improved congestion control for terrestrial and space communication