City - ware

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Please switch on your Bluetooth
Overview

• Technology, the city & people!

• How to think of city-ware

• Dark scenarios

• Interesting questions - interesting solutions

• Cityware for Facebook
Nokia Sensor

- “See and be seen”
- Local peer-to-peer profile searching
Bluetella

- Peer to peer file sharing
- File forwarding over clients
Wireless Rope

- See people nearby
- “Rope” your friends so you don’t get lost in a crowd
Jabberwocky

Meet familiar strangers
“Urban atmospheres” project
Telelogs

Listen to familiar strangers’ audio blogs
ContextPhone

- Context aware
- Instant messenger
- Communicates over network / bluetooth
Decoy

An invisible poster, graffiti or a direction sign which gets alive by the mobile in the pocket
MobiTip

Location-based tips about restaurants, shops, etc.
You-Who

Question-and-answer game to meet strangers
Bluefish

Each person has a fish
Friend of a friend

Explore your community
How to think about city-ware
Virtual reality?
Augmented reality?
Wearable computing?
Pervasive computing?
Pervasive computing
Dark scenarios
Interesting problems
Interesting solutions
Who is using this device/service?

Extending TCP/IP protocol with biometric information gathered where physical interaction naturally takes place.

Presented at UkUbinet, Cambridge, 2003
Who am I interacting with?

Private matching algorithm for ad-hoc peer to peer communication.

Presented at LoCA, IBM Dublin, 2006
What am I interacting with?

Using physical tokens from the environment to verify the service or device you are communicating with. (NFC, RFID, sound, photo).

(In progress)
Still not convinced?
Bluetooth helps Facebook friends

A team of UK researchers is combining the power of social network Facebook with communications tool Bluetooth to learn more about human interactions.

Bath University scientists have created a tool which can use the unique ID of Bluetooth devices, like a mobile phone, to build new friendship networks.

Users register with the Facebook tool, called Cityware, that tracks encounters in the real world via Bluetooth.

It is part of a wider project backed by Nokia, HP Labs and Vodafone.

Dr Vassili Kostakos, research associate at the University of Bath, said the goal was to "younger people become more aware of how technology is affecting their lives".

He said the tool would be more successful if internet giants were to back the project.

"I think if Facebook and other people were to support this type of research then it would happen more quickly," he said.

"But I think it is only going to get real traction if people who really control the destiny of these technologies engage with the research as well."
Computer Software News

Bluetooth + Facebook = Creepy, but Kind of Cool

Filed under: Internet, Social Software

For too long you had to tell Facebook who you know. It’s about time Facebook smartened up and granted the ability to tell you who you’ve been in contact with automatically. It’s impossible for Facebook to recognize your friends over all of time, unless it can follow you around everywhere you go. Finally, a team of Bell Labs researchers have come up with a solution. Combine Facebook with mobile Bluetooth devices!

You can now install a Facebook app, called CityView, and register your Bluetooth device, and it always tells you who you’re in close contact with. The best part is that now, instead of actually meeting someone on the street, you can just go home and meet them in the most intimate and personal Facebook environment.

It’s actually kind of neat how it works. The catch is that in order to use it you have to live in a city that has a ‘node’ installed. These nodes are computers that can exchange information with Bluetooth devices in the area. These nodes are currently installed in a few places in the UK, as well as at the University of California in San Diego. Basically, you just go for a walk around one of the nodes, then when you log into Facebook, it gives you a list of everyone who was in the same area! It’s a wonderful way to meet new people, without, you know, actually meeting them. Also great for stalkers. Can’t look away from the stalkers.

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Language: English

Capture Where Your Time Goes with the Activity Tracker Gadget

Fifteen Web sites to see! when you should be working

Are You Ready: For Some Football? PC World reports that fantasy football is...

Acer buys Gateway, attached gardens
SMY: A Beginner’s Guide to Socializing

Google Maps Now With More Embedded

Featured Throwback: Eure Seriat: Class'05
Mixed reactions

• People are not sure how to react

• It is definitely 2.0
People with Bluetooth devices bumping into each other (shopping, school, work)

Cityware nodes record & upload data

Cityware servers analyse data

Cityware nodes record & upload data

Users' social network grows

Facebook application presents data

Users' social network grows
Cityware toolbar

Bluetooth devices linked to a user's profile

Encounters grouped by recency, duration, frequency

Encounter with a device linked to a profile

Encounter with an unknown device
Thank you

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