cityware

urban design & pervasive systems

City - ware

Vassilis Kostakos Human-Computer Interaction Group Department of Computer Science University of Bath

Presented at the Bartlett, UCL, 22 November 2007

1012-011

#### 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

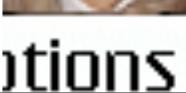




**Santa Cat** My roommat helps Santa during Chirsi



Clo





## \_\_MOBILEDATINGSOFTWARE.COM & www.bluedating.info

Bluedating

Find your soul-mate right next to you!

#### 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





Listen to familiar strangers' audio blogs

### ContextPhone

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

Presence info for Kari Laa. Kumpula, HKI rrent : for the last 0 ation rrent Profile: Meeting Speaker off Vibrator on pple close-by: 1 friend(s) 6 other perso Last phone use: 0:02 ago



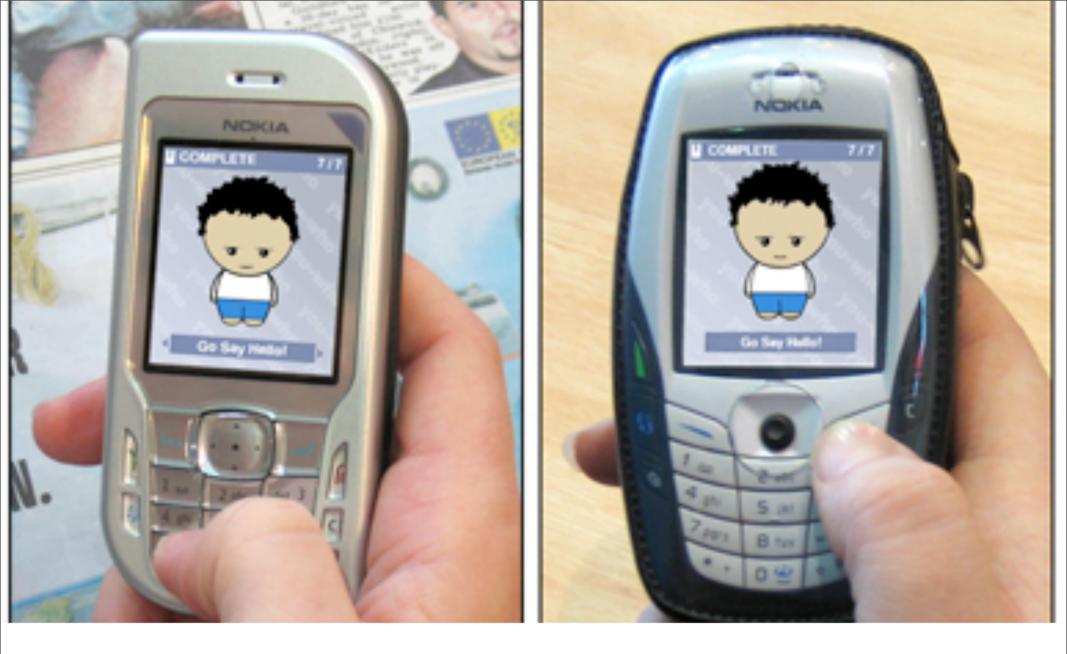
Decoy

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

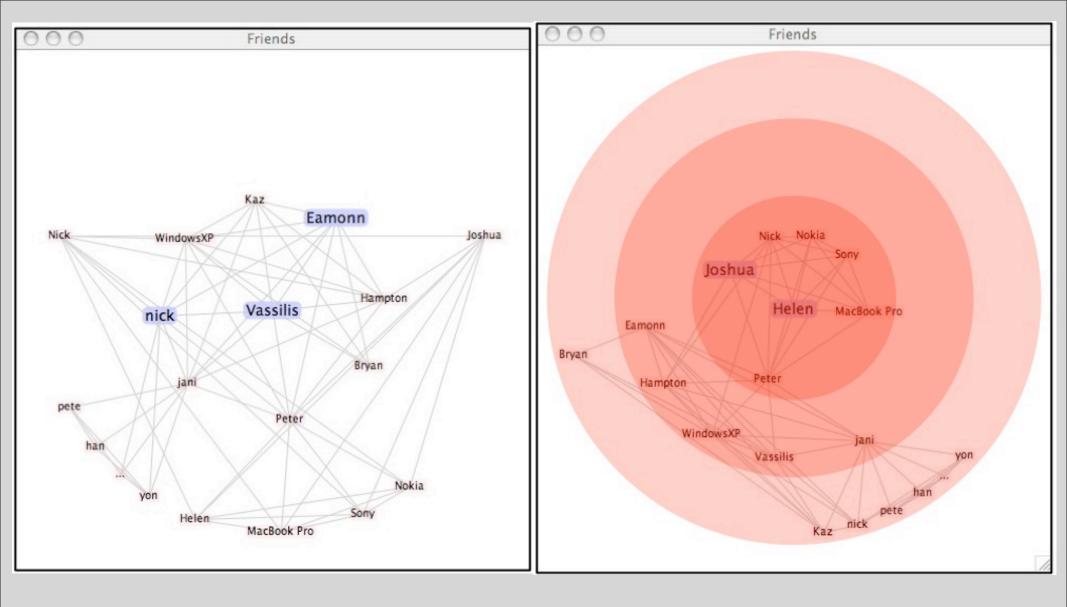




#### Bluefish

Each person has a fish





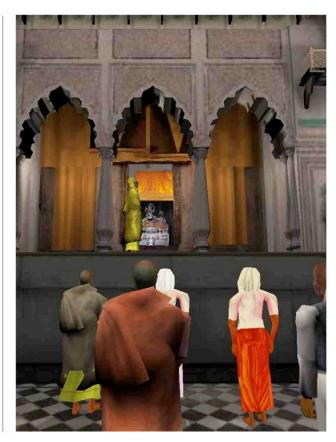
#### Friend of a friend

Explore your community

#### How to think about city-ware







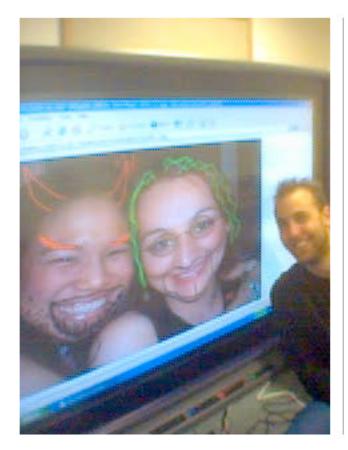








Wearable computing?







Location









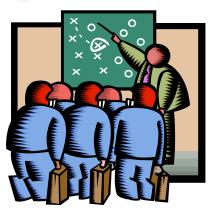






Information







#### 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







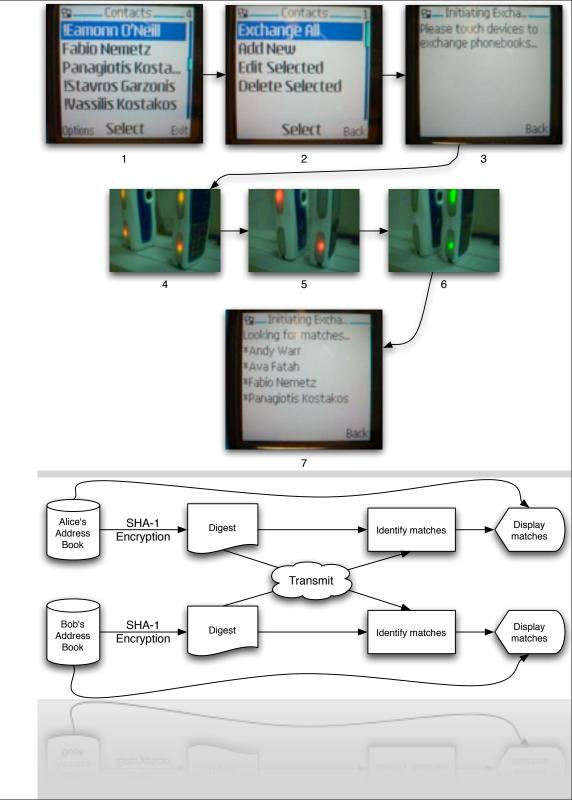












# Who am I interacting with?

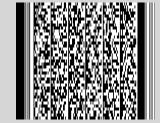
Private matching algorithm for adhoc peer to peer communication.

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?











#### Computer Software News

Software news, freeware and shareware computer software, free downloads for Windows and Linux

#### Bluetooth + facebook = creepy, but kind of cool

#### Filed under: Internet, Social Software

For far too long you had to tell Facebook who you know. It's about time Facebook smattened up and gamered the ability to tell you who you've been in contact with automatically. It's impossible for Facebook to completely take over all of our lives unless it can follow us around everywhere we go. Finally, a team of Bath University scientists have come up with a solution. Combine Facebook with mobile Bluetooth electronics! You can now isstall a Facebook tool, called Cityware, and register your Bluetooth product, and it will atomically tell you who you've come in close contact with. The best part is that mov, instead of actually meeting someone on the street, you can just go home and meet them in the more intimuse and personal Facebook environment.

It's actually kind of near how it works. The catch is that in order to use it you have to live in a city that has a 'bode' installed. These nodes are computers that will scan for Blacetooth devices and match them up with other devices from the area. These nodes are currently installed in a few places in the UK, as well as at the University of California is 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 forget about the stalkers.

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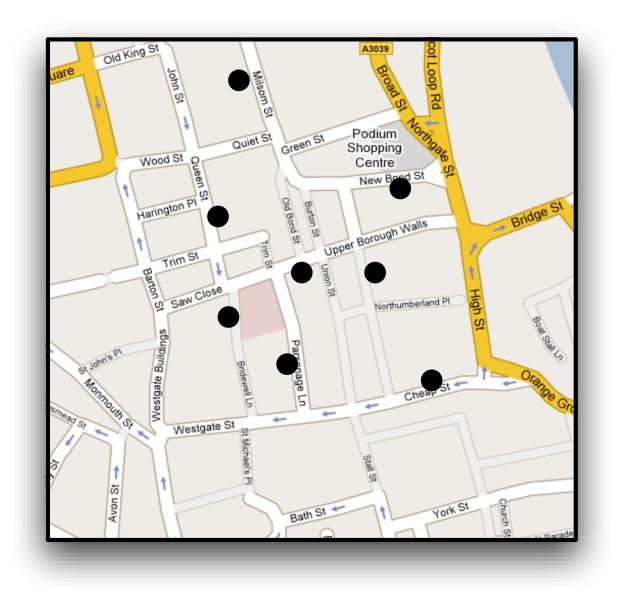
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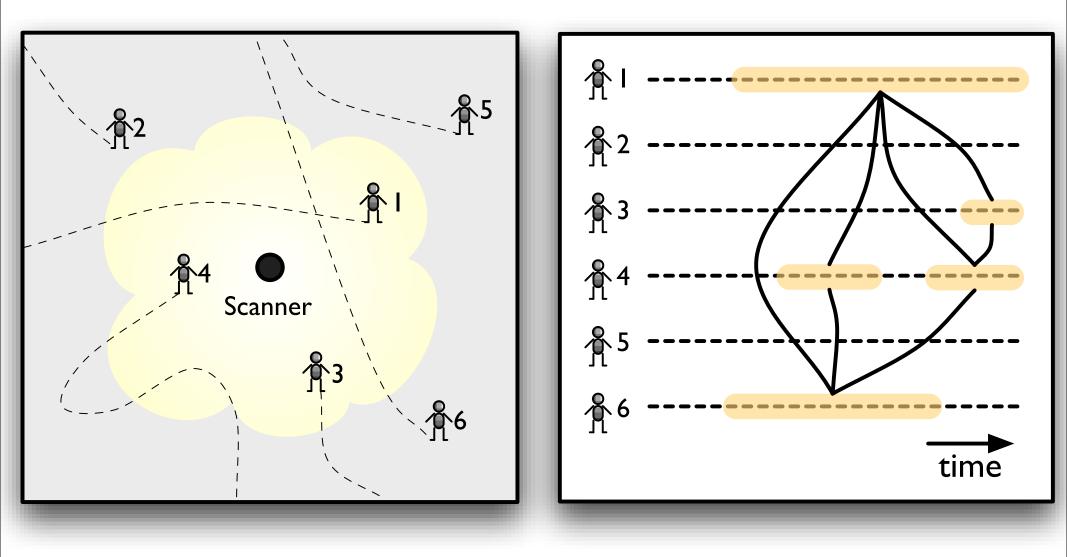
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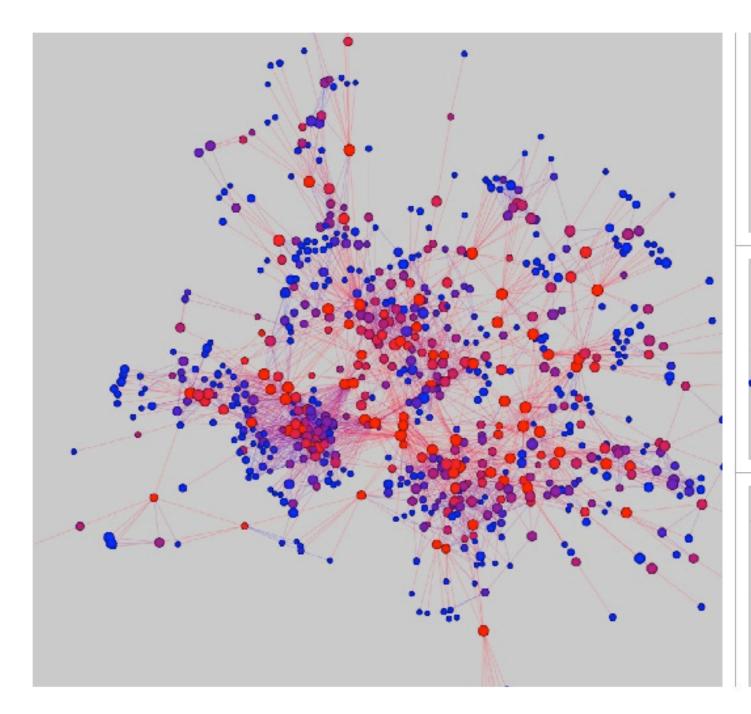


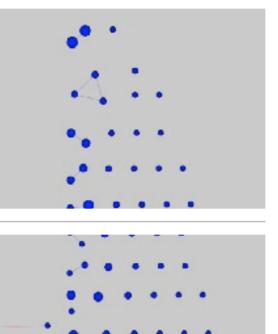
#### Mixed reactions

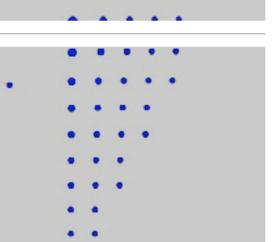
- People are not sure how to react
- It is definitely 2.0

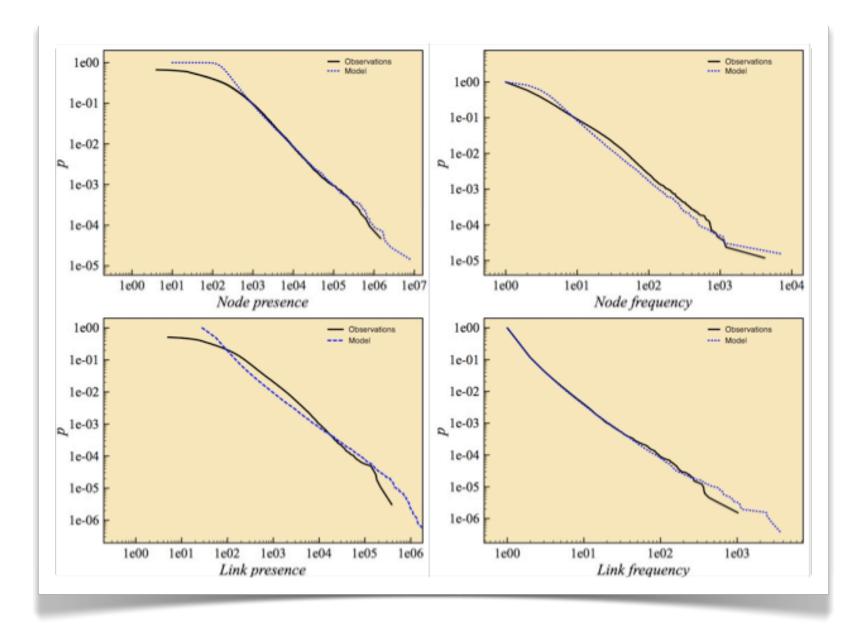




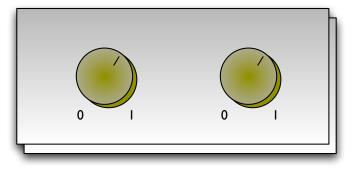


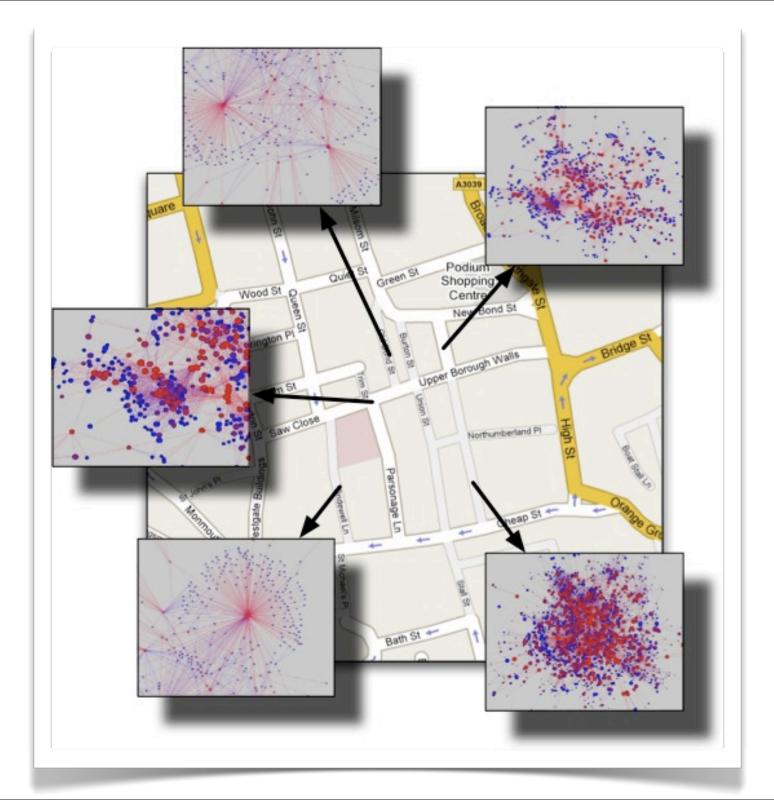


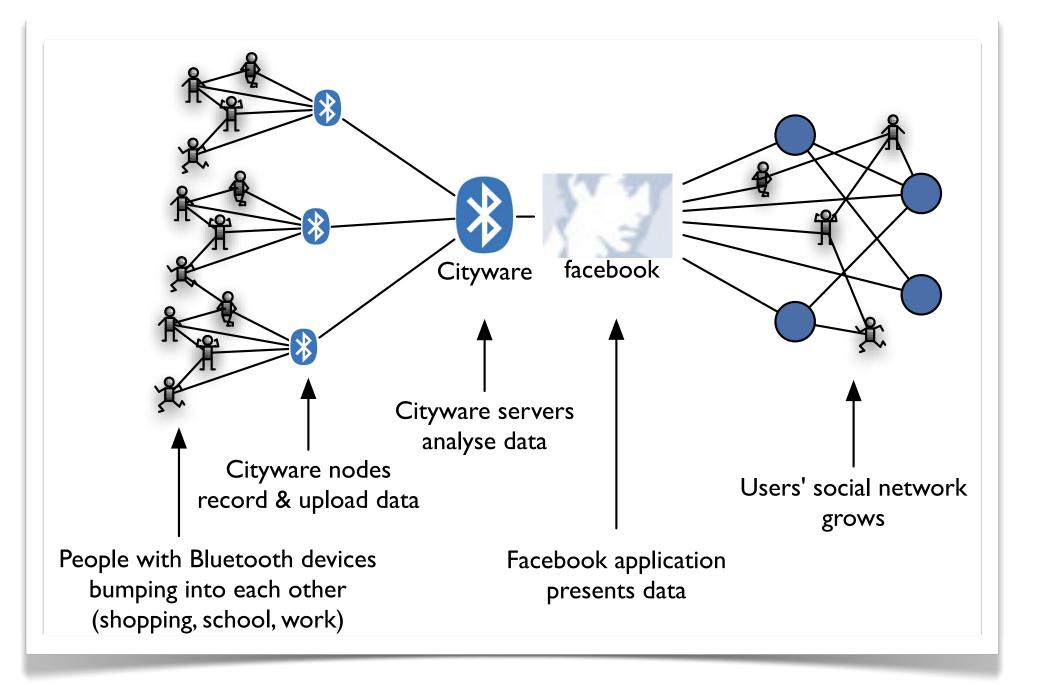


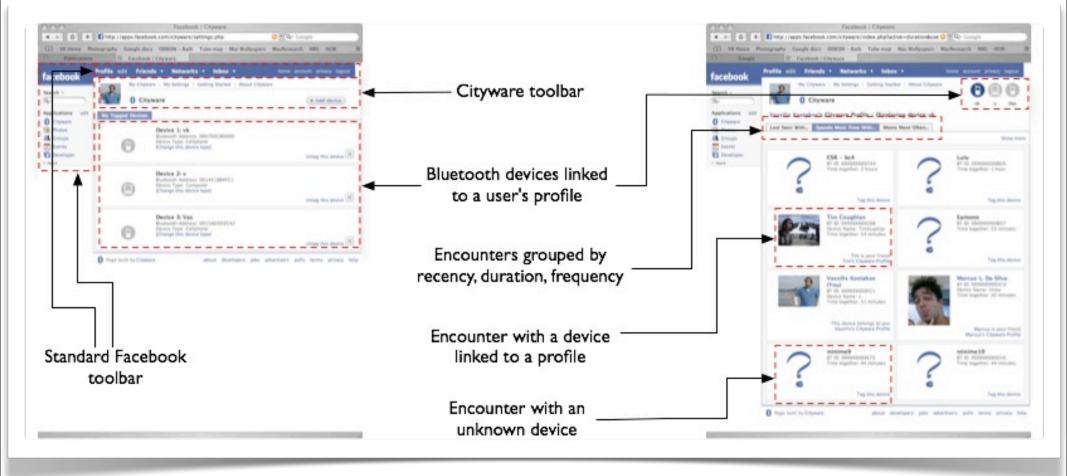


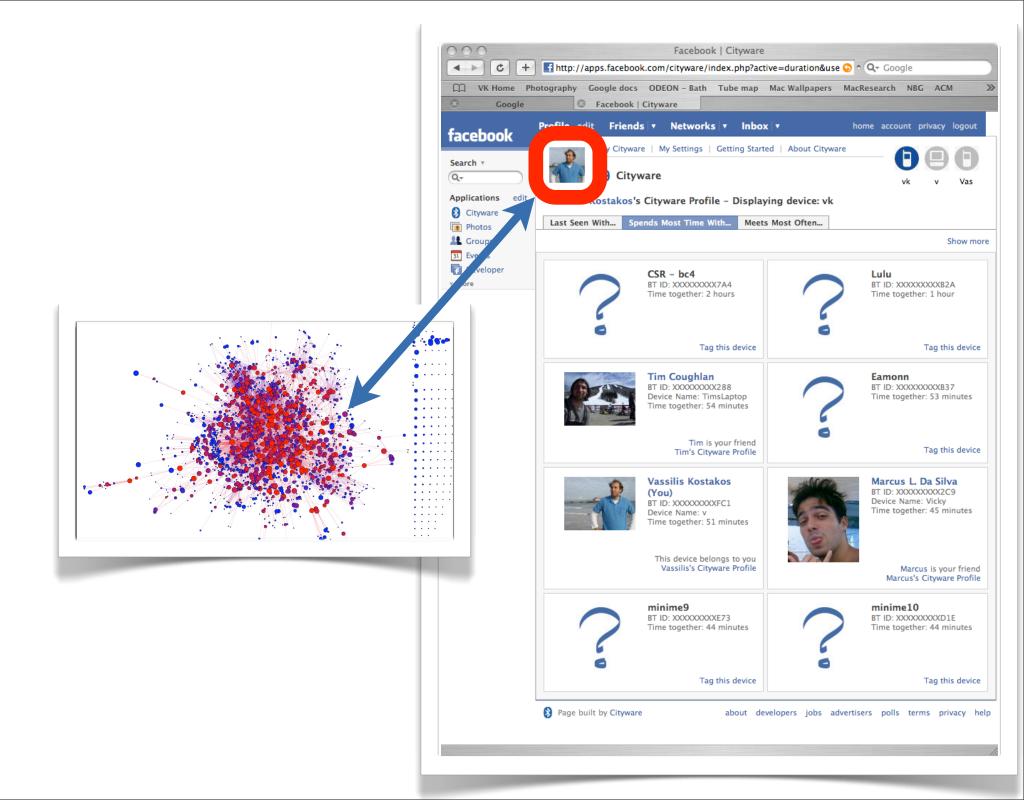


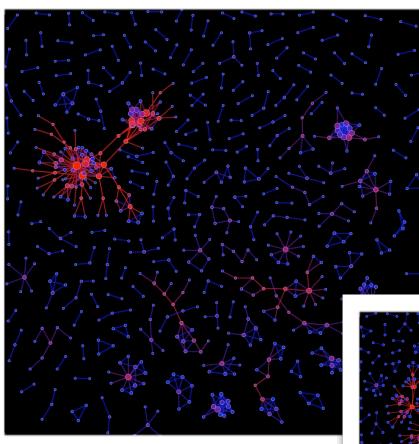


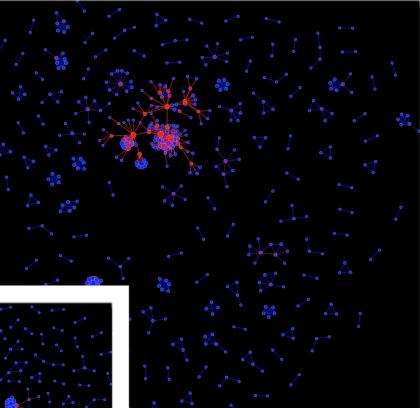


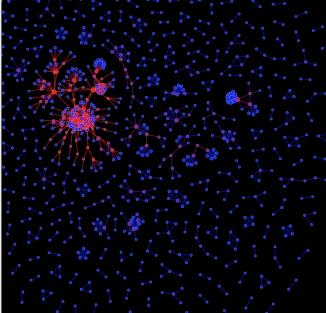














Thank you

#### Vassilis Kostakos vk @ cs . bath . ac . uk

http://www.cityware.org.uk