UNIVERSITY OF Southampton

Visualising the Past: Annotating a Life with Linked Open Data

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Electronics and Computer Science

Lifelogging and Life Annotation

Lifelogging and Life Annotation

The Imouto Life Annotation System

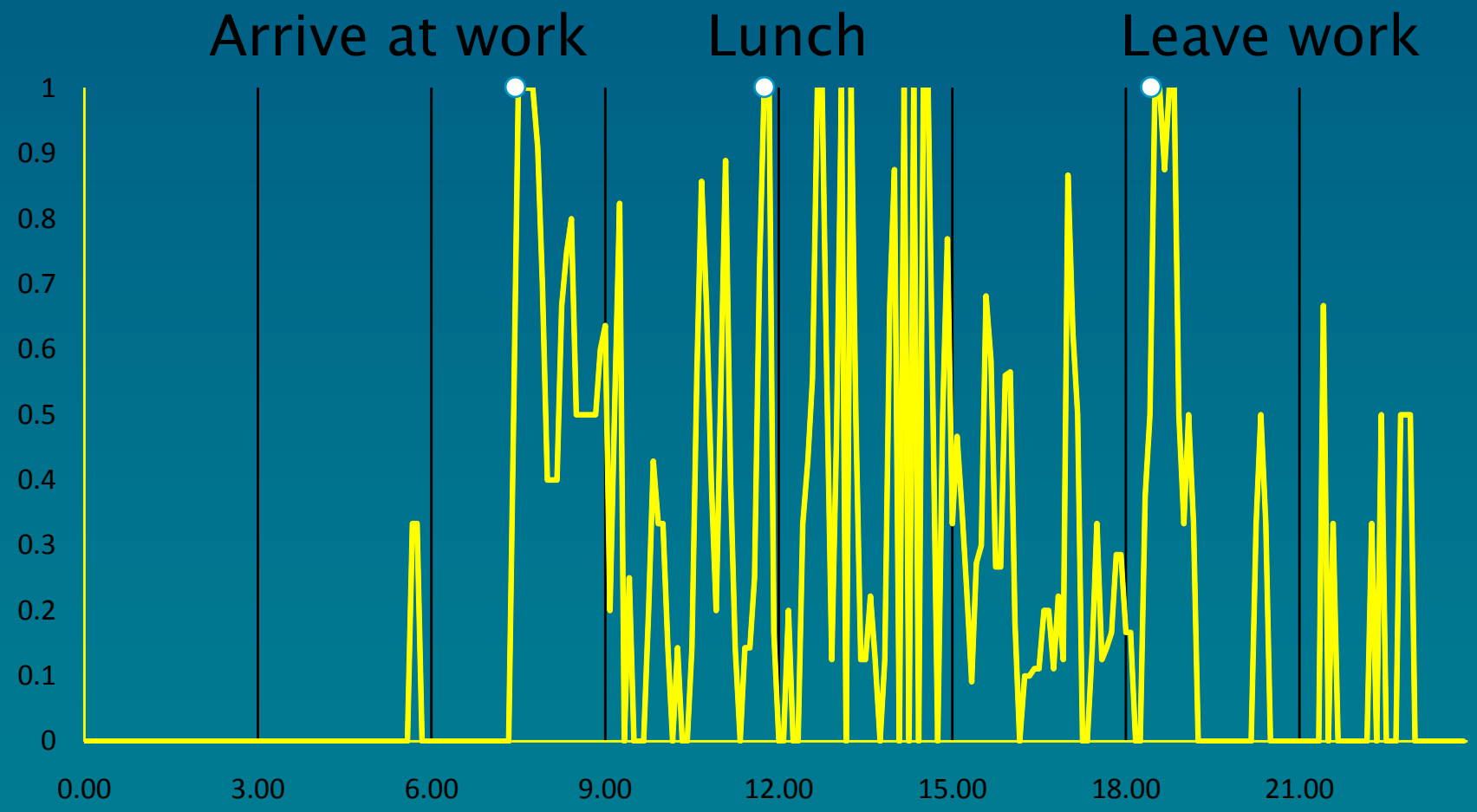
- Original version
  - Developed 2006–2007
  - Ran on a PDA
  - Collected GPS data and, later, nearby Bluetooth MAC addresses.
  - Battery life a major issue!

Making Use of the Data
Person Detection

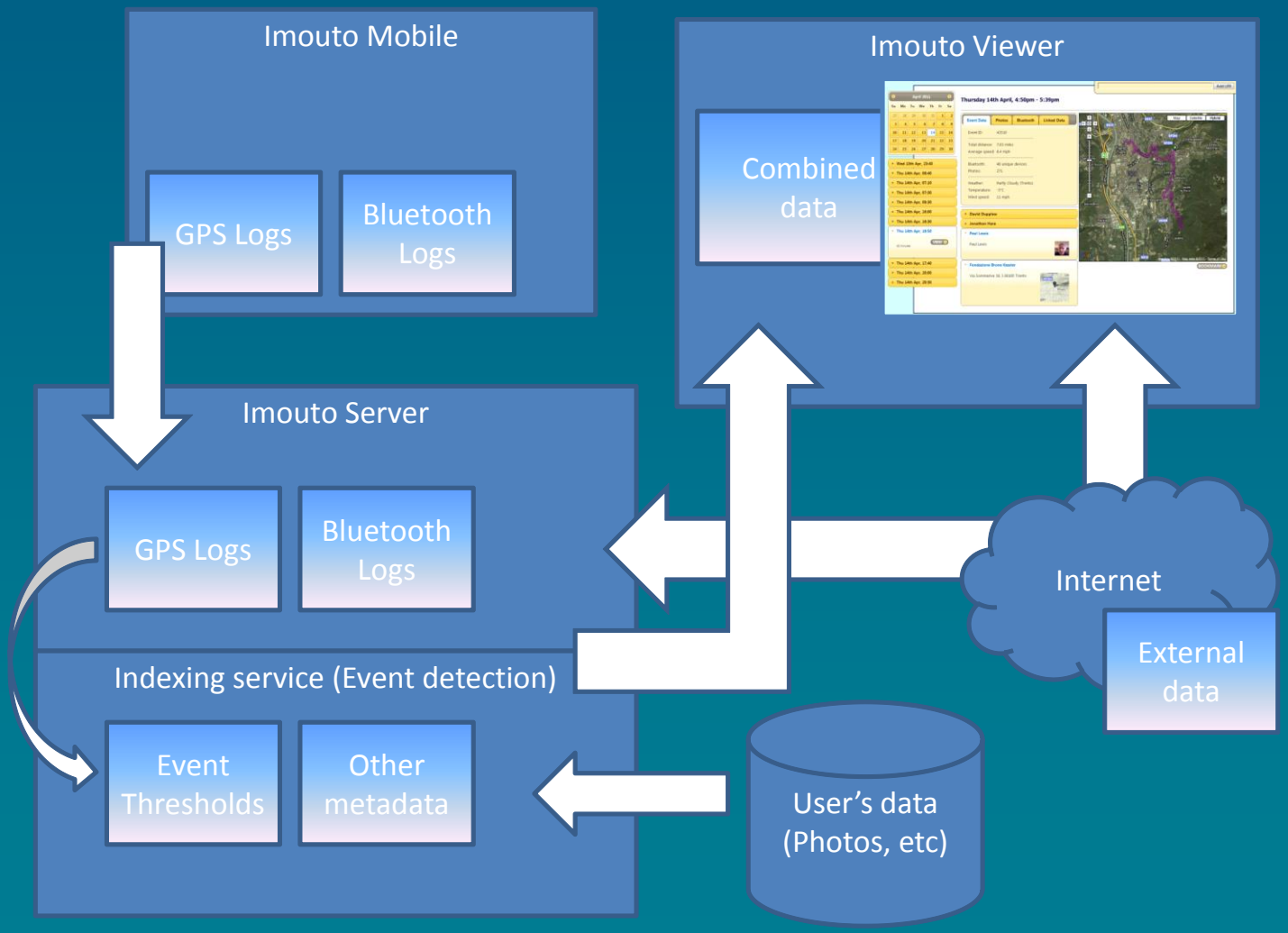
Making Use of the Data
Location Detection

- GPS doesn't work indoors...

Making Use of the Data
Event Detection

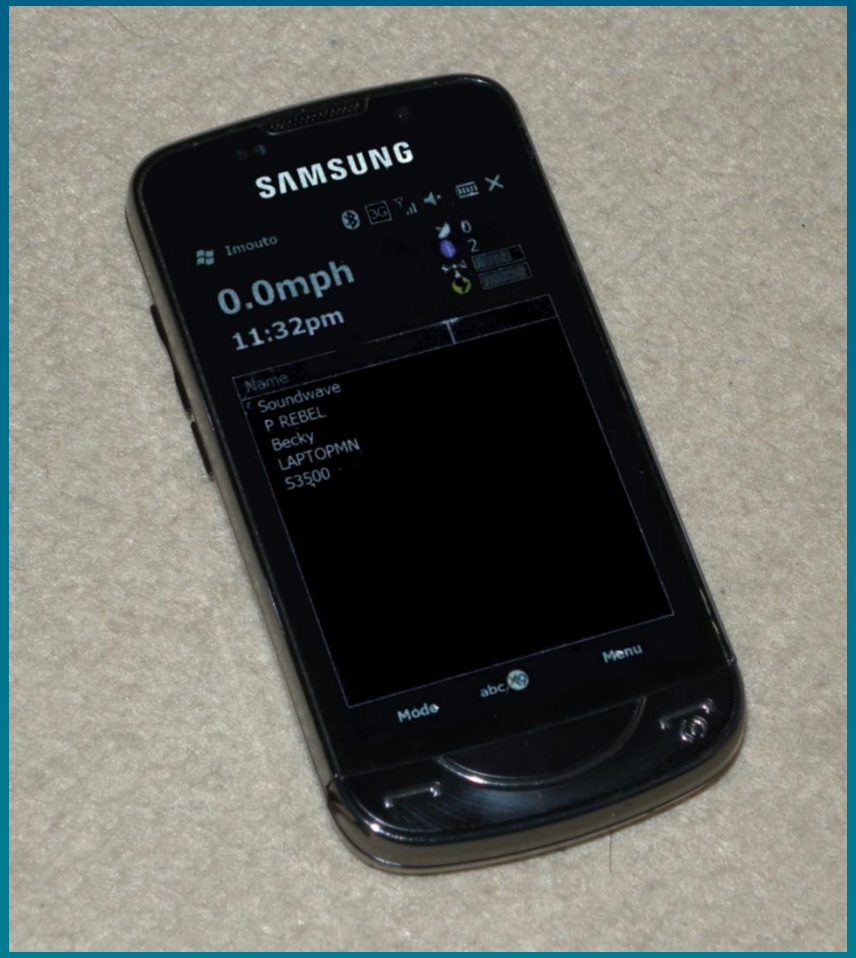


The Imouto Life Annotation System



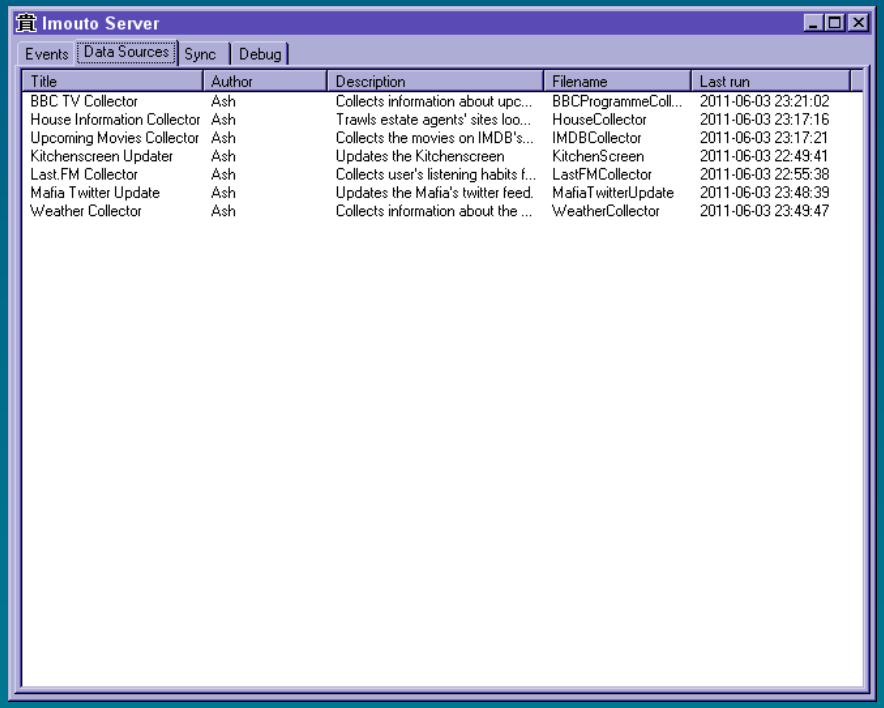
The Imouto Life Annotation System

- "Imouto Mobile"
  - Runs on a mobile phone.
  - Passive.
  - Quite dumb; sole purpose is to collect information from the device's sensors.



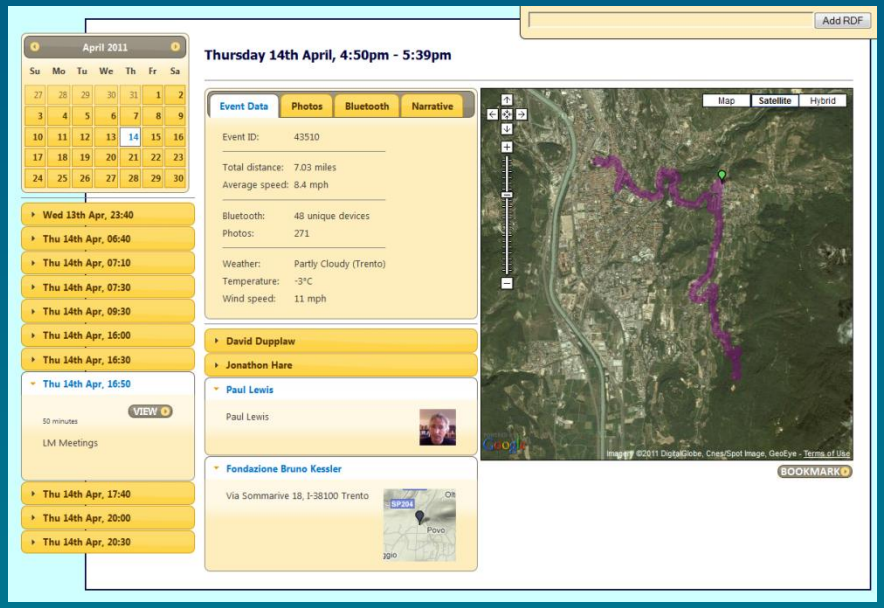
The Imouto Life Annotation System

- "Imouto Server"
  - Runs on a Windows PC.
  - Runs in the background.
  - Also quite dumb; scrapes information from the web stores alongside information from Imouto Mobile.
  - "Collector framework"



The Imouto Life Annotation System

- "Imouto Viewer"
  - Runs in a web browser.
  - Not dumb!
  - Combines lifelogs and life annotations, organises them and displays them in a user-friendly way.



Add RDF

April 2011

Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- Wed 13th Apr, 23:40
- Thu 14th Apr, 06:40
- Thu 14th Apr, 07:10
- Thu 14th Apr, 07:30
- Thu 14th Apr, 09:30
- Thu 14th Apr, 16:00
- Thu 14th Apr, 16:30
- Thu 14th Apr, 16:50

VIEW

50 minutes

LM Meetings

- Thu 14th Apr, 17:40
- Thu 14th Apr, 20:00
- Thu 14th Apr, 20:30

Thursday 14th April, 4:50pm - 5:39pm

Event Data | Photos | Bluetooth | Narrative

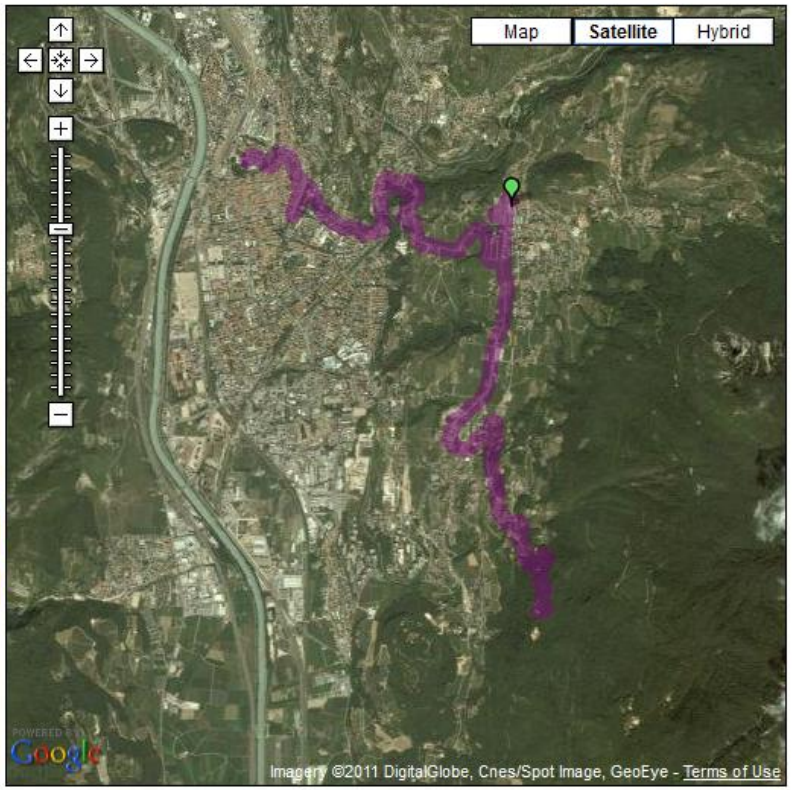
Event ID:	43510
Total distance:	7.03 miles
Average speed:	8.4 mph
Bluetooth:	48 unique devices
Photos:	271
Weather:	Partly Cloudy (Trento)
Temperature:	-3°C
Wind speed:	11 mph

- David Dupplaw
- Jonathon Hare
- Paul Lewis

Paul Lewis

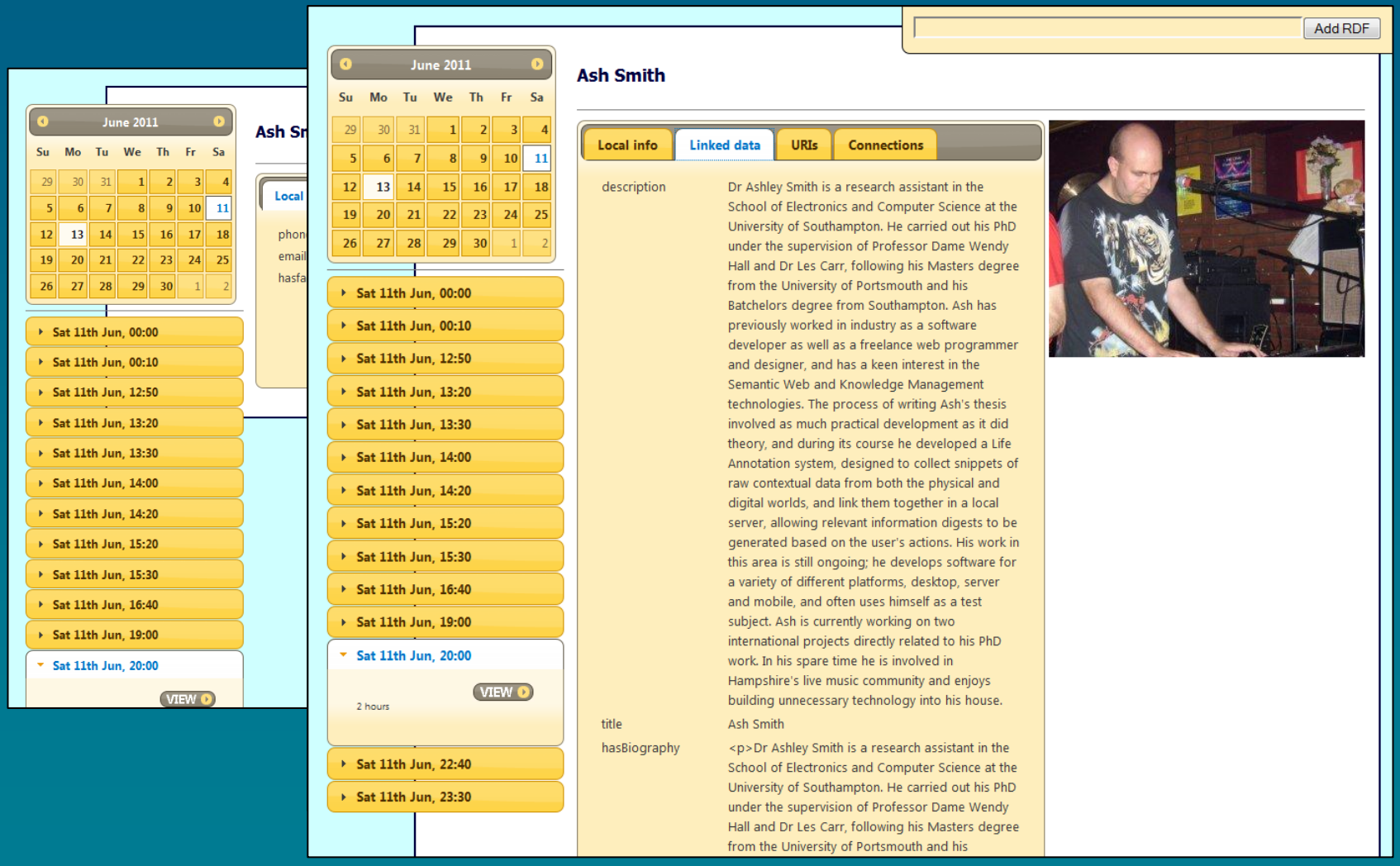
- Fondazione Bruno Kessler

Via Sommarive 18, I-38100 Trento



BOOKMARK

Open Linked Data



Privacy and Lifelogging

- Imouto uses ‘local’ approach

- But DO LIFELOG!
  - Lifelogging can improve privacy automatically.
  - Surveillance is out there – regain control of your data.

The Social Value of Lifelogging

- Information Overload
  - Disk space is cheap
  - We don't know what will be important!
- Context
  - Collect all, organise it properly, and it's there when needed.

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