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

![Graph showing data events](image-url)
The Imouto Life Annotation System

- **Imouto Mobile**
  - GPS Logs
  - Bluetooth Logs

- **Imouto Server**
  - Indexing service (Event detection)
    - Event Thresholds
    - Other metadata

- **Imouto Viewer**
  - Combined data

- **Internet**
  - External data

- **User’s data (Photos, etc)**
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.
Thursday 14th April, 4:50pm - 5:39pm

**Event Data**

- 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

**Participants**

- David Duplaw
- Jonathon Hare
- Paul Lewis
- Fondazione Bruno Kessler

**Venue**

Via Sommarive 18, I-38100 Trento
Open Linked Data

Ash Smith

Local info  Linked data  URLs  Connections

description

Dr Ashley Smith is a research assistant in the School of Electronics and Computer Science at the University of Southampton. He carried out his PhD under the supervision of Professor Dame Wendy Hall and Dr Les Carr, following his Masters degree from the University of Portsmouth and his Batchelor's degree from Southampton. Ash has previously worked in industry as a software developer as well as a freelance web programmer and designer, and has a keen interest in the Semantic Web and Knowledge Management technologies. The process of writing Ash's thesis involved as much practical development as it did theory, and during its course he developed a Life Annotation system, designed to collect snippets of raw contextual data from both the physical and digital worlds, and link them together in a local server, allowing relevant information digests to be generated based on the user's actions. His work in this area is still ongoing; he develops software for a variety of different platforms, desktop, server and mobile, and often uses himself as a test subject. Ash is currently working on two international projects directly related to his PhD work. In his spare time he is involved in Hampshire's live music community and enjoys building unnecessary technology into his house.

title

Ash Smith

hasBiography

<p>Dr Ashley Smith is a research assistant in the School of Electronics and Computer Science at the University of Southampton. He carried out his PhD under the supervision of Professor Dame Wendy Hall and Dr Les Carr, following his Masters degree from the University of Portsmouth and his</p>
Privacy and Lifelogging

- Imouto uses ‘local’ approach

- But DO LIFEOG!
  - 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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