

LoCA 2006 – Program

as of May 9, 2006 16:15

Register soon at <http://loca2006.context-aware.org> or on-site

Venue: IBM Dublin Center of Advanced Studies, Damastown, Mulhuddart

Wednesday, May 10th, 2006

09:00 – 10:30 Welcome + Keynote

Keynote on “Google Earth: Making 'Where' Easy”

[Martin ‘MC’ Brown](#), author of the book [Hacking Google Maps and Google Earth](#)

Abstract: Merging address and location information has frequently been either difficult or expensive. Google Maps and Google Earth are solutions that simplify the process. The LoCA 2006 Keynote presentation will examine the issues and use of these tools, starting with understanding how to think with location in mind, and moving on to looking at the details and mechanics of both Google Maps and Google Earth as solutions to your location applications. Throughout we'll look at the information you have and how to translate that into the information required building applications that show and highlight the information you want.

Coffee-Break

11:00 – 12:30 Session A: Location Sensing (Chair: Gaetano Boriello)

Particle Filters for Position Sensing with Asynchronous Ultrasonic Beacons

Henk L. Muller, University of Bristol

Michael McCarthy, University of Bristol

Cliff Randell, University of Bristol

Cluster Tagging: Robust Fiducial Tracking for Smart Environments

Robert Harle, University of Cambridge

Andy Hopper, University of Cambridge

Automatic Mitigation of Sensor Variations for Signal Strength Based Location Systems

Mikkel Baun Kjærgaard, University of Aarhus

Lunch

13:30 – 15:00 Session B: Mapping (Chair: Henk Muller)

Kotohiragu Navigator: An Open Experiment of Location-Aware Service for Popular Mobile Phones

Hiroyuki Tarumi, Kagawa University and SpaceTag, Inc.

Yuko Tsurumi, Kagawa University

Kazuya Matsubara, Kagawa University

Yusuke Hayashi, Kagawa University
Yuki Mizukubo, Kagawa University
Makoto Yoshida, Kagawa University
Fusako Kusunoki, Tama Art University

A Wearable Interface for Topological Mapping and Localization in Indoor Environments

Grant Schindler, Georgia Institute of Technology
Christian Metzger, ETH-Swiss Federal Institute of Technology
Thad Starner, Georgia Institute of Technology

Taking Location Modelling to new Levels: A Map Modelling Toolkit for Intelligent Environments

Christoph Stahl, Saarland University
Jens Hauptert, Saarland University

Coffee-Break

15:30 – 17:00 Session C: Privacy and Access (Chair: Donald Patterson)

Harvesting of Location-Specific Information through WiFi Networks

Jong Hee Kang, University of Washington
Gaetano Borriello, University of Washington and Intel Research Seattle

Re-identifying anonymous nodes

Stefan Schlott, University of Ulm
Frank Kargl, University of Ulm
Michael Weber, University of Ulm

Anonymous User Tracking for Location-based Community Services

Peter Ruppel, Ludwig-Maximilian University Munich
Georg Treu, Ludwig-Maximilian University Munich
Axel Küpper, Ludwig-Maximilian University Munich
Claudia Linnhoff-Popien, Ludwig-Maximilian University Munich

17:00 – 17:30 Poster Session (Chair: John Krumm)

18:45 – Midnight: Social Event including best paper award

Bus leaves at 17:45 from IBM (updated! - please see below)
Johnny Fox's Hooley Night (<http://www.jfp.ie>)

Thursday, May 11th, 2006

09:00 – 10:30 Session D: Context Sensing (Chair: Minkyong Kim)

Towards Personalized Mobile Interruptibility Estimation
Nicky Kern, TU Darmstadt
Bernt Schiele, TU Darmstadt

Unsupervised Discovery of Structure in Activity Data using Multiple Eigenspaces
Tâm Huỳnh, TU Darmstadt
Bernt Schiele, TU Darmstadt

Toward Scalable Activity Recognition for Sensor Networks
Christopher R. Wren, Mistubishi Electric Research Laboratories
Emmanuel Munguia Tapia, Mistubishi Electric Research Laboratories

Coffee-Break

11:00 – 12:30 Session E: Social Context (Chair: Hiroyuki Tarumi)

Nomatic: Location By, For and Of Crowds

Donald J. Patterson, University of California at Irvine

Xianghua Ding, University of California at Irvine

Nocholas Noack, University of California at Irvine

An Unsupervised Learning Paradigm for Peer-to-Peer Labeling and Naming of Locations and Contexts

John A. Flanagan, Nokia Research Center

Building Common Ground for Face to Face Interactions by Sharing Mobile Device Context

Vassilis Kostakos, University of Bath

Eamonn O'Neill, University of Bath

Anuroop Shahi, University of Bath

Lunch

13:30 – 15:00 Session F: Representation and Programming (Chair: Mike Hazas)

Evaluating Performance in Continuous Context Recognition Using Event-Driven Error Characterisation

Jamie A. Ward, ETH-Swiss Federal Institute of Technology

Paul Lukowicz, UMIT-University for Health Sciences

Gerhard Tröster, ETH-Swiss Federal Institute of Technology

Location-based Context Retrieval and Filtering

Carsten Pils, Waterford Institute of Technology

Ioanna Roussaki, National Technical University of Athens

Maria Strimpakou, National Technical University of Athens

Scripting your Home

Mirko Knoll, Universität Stuttgart

Andreas Ulbrich, Technische Universität Berlin

Alexander Brändle, Microsoft Research Cambridge

Closing

including best presentation award

Shuttle Service

Coaches have been provided for delegates registered to attend LoCA 2006. Coaches will depart from the Pervasive 2006 conference hotel (The Burlington), the Lansdowne and the Castleknock Country Hotel.

Please be advised that in order to keep to the schedule, the departure times of the coaches are to be strictly adhered to. LoCA 2006 is being held at the IBM facility at Mulhuddart, this is some distance from the city centre and rush hour traffic in Dublin can be heavy, we therefore ask for your patience with the journey and also the early departure times necessary to arrive in time for the start. If you are not ready to depart on the coach, it cannot wait and you will have to make your own arrangements to the LoCA venue.

Wednesday May 10th

07.15 Assemble in the main foyer of the Burlington Hotel
07:30 Coach will depart at 07:30 sharp (unfortunately the coach cannot wait for any delegates missing at this time)
07:35 Pick up at Lansdowne Hotel
08:00 Pick up at Castleknock Country Club
08:30 Arrival at IBM for registration
17:45 Depart IBM for Johnnie Foxes
18:45 Arrive to Johnnie Foxes Pub for pre dinner drinks
19:30 Hooley Night begins 7.30pm , dinner to be served
23:00 Depart Johnnie Foxes, drop off at Castleknock, Burlington and Lansdowne Hotel

Thursday May 11th

07:00 Assemble in the main foyer of the Burlington Hotel. All delegates are requested to have checked out at this time, luggage to be loaded on coach
07:30 Coach will depart at 07:30 sharp (unfortunately the coach cannot wait for any delegates missing at this time)
07:35 Pick up at Lansdowne Hotel, luggage to be loaded on coach
08:00 Pick up at Castleknock Country Club, luggage to be loaded on coach
08:30 Arrival at IBM
15:00 Depart IBM for airport
16:15 Arrival for check in at airport

*For delegates with one hour check in, please allow a minimum of 90 minutes for check in due to new security procedures at Dublin Airport.

*For delegates with two hour check in, please note coach transfer only suitable if flight departs after 18:30

*For delegates for whom the airport transfer is not suitable, taxis must be pre-ordered one day in advance and please ensure these delegates remove luggage from the coach as the coach will not return to IBM until 15:00.

We thank our sponsors for their support:

