Thomas Strang
Claudia Linnhoff-Popien (Eds.)

Location- and Context-Awareness

First International Workshop, LoCA 2005
Oberpfaffenhofen, Germany, May 2005
Proceedings

Lecture Notes in Computer Science 3479

Commenced Publication in 1973
Founding and Former Series Editors:
Gerhard Goos, Juris Hartmanis, and Jan van Leeuwen

Editorial Board

Thomas Strang   Claudia Linnhoff-Popien (Eds.)

Location- and Context-Awareness

First International Workshop, LoCA 2005
Oberpfaffenhofen, Germany, May 12-13, 2005
Proceedings

Volume Editors

Thomas Strang
German Aerospace Center (DLR), Institute of Communications and Navigation
82234 Wessling/Oberpfaffenhofen, Germany
E-mail: thomas.strang@dlr.de

Claudia Linnhoff-Popien
University of Munich (LMU), Mobile and Distributed Systems Group
Oettingenstr. 67, 80538 Munich, Germany
E-mail: linnhoff@ifi.lmu.de

Preface

Context-awareness is one of the drivers of the ubiquitous computing paradigm. Well-designed context modeling and context retrieval approaches are key prerequisites in any context-aware system. Location is one of the primary aspects of all major context models — together with time, identity and activity. From the technical side, sensing, fusing and distributing location and other context information is as important as providing context-awareness to applications and services in pervasive systems.

The material summarized in this volume was selected for the 1st International Workshop on Location- and Context-Awareness (LoCA 2005) held in cooperation with the 3rd International Conference on Pervasive Computing 2005. The workshop was organized by the Institute of Communications and Navigation of the German Aerospace Center (DLR) in Oberpfaffenhofen, and the Mobile and Distributed Systems Group of the University of Munich.

During the workshop, novel positioning algorithms and location sensing techniques were discussed, comprising not only enhancements of singular systems, like positioning in GSM or WLAN, but also hybrid technologies, such as the integration of global satellite systems with inertial positioning. Furthermore, improvements in sensor technology, as well as the integration and fusion of sensors, were addressed both on a theoretical and on an implementation level.

Personal and confidential data, such as location data of users, have profound implications for personal information privacy. Thus privacy protection, privacy-oriented location-aware systems, and how privacy affects the feasibility and usefulness of systems were also addressed in the workshop.

A total of 84 papers from 26 countries were submitted to LoCA 2005, from which 26 full and 7 short papers were selected for publication in the proceedings. The overall quality of the submissions was impressive, demonstrating the importance of this field. The Program Committee did an excellent job — all papers were reviewed by at least 3 referees, which left each member with up to 18 papers to be reviewed within a very tight schedule.

May 2005

Thomas Strang
Claudia Linnhoff-Popien

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

fastcase
Smarter legal research.