

Lecture Notes in Geoinformation and Cartography

Series Editors: William Cartwright, Georg Gartner, Liqiu Meng,
Michael P. Peterson

Georg Gartner · Karl Rehl (Eds.)

Location Based Services and TeleCartography II

From Sensor Fusion to Context Models

5th International Conference on Location
Based Services and TeleCartography
2008, Salzburg

 Springer

Editors

Univ. Prof. Dr. Georg Gartner
Institute of Geoinformation and
Cartography
Vienna University of Technology
Erzherzog-Johannplatz 1
A-1040 Vienna
Austria
georg.gartner@tuwien.ac.at

Karl Rehr
Salzburg Research
Forschungsgesellschaft mbH
Mobile & Web-based
Information Systems
Jakob Haringer Str. 5/III
A-5020 Salzburg
Austria
karl.rehr@salzburgresearch.at

ISBN: 978-3-540-87392-1

e-ISBN: 978-3-540-87393-8

DOI 10.1007/978-3-540-87393-8

Lecture Notes in Geoinformation and Cartography ISSN: 1863-2246

Library of Congress Control Number: 2008938901

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Typesetting: Camera-ready by Manuela Schmidt and Felix Ortog

Cover illustration: Salzburg Research

Cover design: deblik, Berlin

Printed on acid-free paper

9 8 7 6 5 4 3 2 1

springer.com

Preface

This book provides a general overview of research activities related to location-based services. These activities have emerged over the last years, especially around issues of positioning, sensor fusion, spatial modelling, cartographic communication as well as in the fields of ubiquitous cartography, geo-pervasive services, user-centered modelling and geo-wiki activities. The innovative and contemporary character of these topics has led to a great variety of interdisciplinary contributions, from academia to business, from computer science to geodesy. Topics cover an enormous range with heterogenous relationships to the main book issues. Whilst contemporary cartography aims at looking at new and efficient ways for communicating spatial information, the development and availability of technologies like mobile networking, mobile devices or short-range sensors lead to interesting new possibilities for achieving this aim. By trying to make use of available technologies, cartography and a variety of related disciplines look specifically at user-centered and context-aware system development, as well as new forms of supporting wayfinding and navigation systems.

The contributions are a selection of full reviewed papers submitted to the 5th Conference on Location Based Services and TeleCartography in Salzburg November 2008, jointly organized by Salzburg Research and Vienna University of Technology, Research Group Cartography.

The production of this book would not have been possible without the professional and formidable work of Manuela Schmidt and Felix Ortog. The editors are grateful for their help as well as for the help of Sven Leitinger.

Georg Gartner, Vienna, Austria

Karl Rehr, Salzburg, Austria

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List of Reviewers

Ahas, Rein

Department of Geography
University of Tartu
Tartu, Estonia

Bortenschlager, Manfred

Mobile and Web-based Information Systems
Salzburg Research
Salzburg, Austria

Cartwright, William

School of Mathematical and Geospatial Science
RMIT University
Melbourne, Australia

Clarke, Keith C.

Department of Geography
University of California
Santa Barbara, CA, USA

Döllner, Jürgen

Hasso-Plattner-Institute
University of Potsdam
Potsdam, Germany

Eichhorn, Andreas

Geodätisches Institut
Technische Universität Darmstadt
Darmstadt, Germany

Frank, Andrew

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria

Gartner, Georg

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria

Grejner-Brzezinska, Dorota A.

Department of Civil and Environmental Engineering and Geodetic Science
The Ohio State University
Columbus, OH, USA

Karimi, Hassan

Department of Information Science and Telecommunications
University of Pittsburgh
Pittsburgh, PA, USA

Kranz, Matthias

Institute of Communications and Navigation
German Aerospace Center
Oberpfaffenhofen-Wessling, Germany

Krüger, Antonio

Institute of Geoinformatics
University of Muenster
Münster, Germany

Meng, Liqiu

Department of Cartography
Technical University of Munich
Munich, Germany

Merminod, Bertrand

Institute of Geomatics
Swiss Federal Institute of Technology
Lausanne, Switzerland

Millonig, Alexandra

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria

Mok, Esmond

Department of Land Surveying and Geo-Informatics
The Hong Kong Polytechnic University
Hong Kong SAR, China

Morita, Takashi

Department of Civil and Environmental Engineering
Hosei University
Tokyo, Japan

Peterson, Michael

Department of Geography and Geology
University of Nebraska at Omaha
Omaha, NE, USA

Ratti, Carlo

Massachusetts Institute of Technology
Department of Urban Studies and Planning and Media Lab
Cambridge, MA, USA

Rehrl, Karl

Mobile and Web-based Information Systems
Salzburg Research
Salzburg, Austria

Retscher, Guenther

Institute of Geodesy and Geophysics
Vienna University of Technology
Vienna, Austria

Rizos, Chris

School of Surveying and Spatial Information Systems
University of New South Wales
Sydney, Australia

Sarjakoski, Tapani

Department of Geoinformatics and Cartography
Finnish Geodetic Institute
Masala, Finland

Schmalstieg, Dieter

Institute of Computer Graphics and Vision
Graz University of Technology
Graz, Austria

Schmidt, Albrecht

Pervasive Computing und User Interface Engineering
University of Duisburg-Essen
Essen, Germany

Strobl, Josef

Department of Geography and Geoinformation
University of Salzburg
Salzburg, Austria

Verbree, Edward

Section GIS-technology
Delft University of Technology
Delft, The Netherlands

Virrantaus, Kirsi

Department of Surveying, Cartography and Geoinformatics
Helsinki University of Technology
Helsinki, Finland

Winter, Stephan

Department of Geomatics
The University of Melbourne
Melbourne, Australia

Zipf, Alexander

Department of Geography
University of Bonn
Bonn, Germany

List of Contributors

Ahas, Rein

Department of Geography
University of Tartu
Tartu, Estonia
rein.ahas@ut.ee

Beinat, Euro

Department of Geography and Geology
Salzburg University
Salzburg, Austria
euro.beinat@sbg.ac.at

Bulens, Jandirk

Centre for Geo-Information
Wageningen University and Research Centre
Wageningen, The Netherlands
jandirk.bulens@wur.nl

Cartwright, William

School of Mathematical and Geospatial Science
RMIT University
Melbourne, Australia
william.cartwright@rmit.edu.au

Chaouali, Marcel

Institute of Cartography and Geoinformatics
Leibniz University of Hannover
Hannover, Germany
marcel.chaouali@gmx.de

Cheong, Joon Wayn

School of Surveying and Spatial Information Systems
University of New South Wales
Sydney, Australia
joon.cheong@student.unsw.edu.au

Dal Fiore, Filippo

GIS-Science
Austrian Academy of Sciences
Salzburg, Austria
filippo.dalfiore@oeaw.ac.at

De Meer, Hermann

Computer Networks and Computer Communication
University of Passau
Passau, Germany
demeer@fim.uni-passau.de

De Sabbata, Stefano

Department of Mathematics and Computer Science
University of Udine
Udine, Italy
stefano.desabbata@gmail.com

Delikostidis, Ioannis

Department of Geo-Information Processing
International Institute for Geo-Information Science and Earth Observation
Enschede, The Netherlands
delikostid13285@itc.nl

Dempster, Andrew G.

School of Surveying and Spatial Information Systems
University of New South Wales
Sydney, Australia
a.dempster@unsw.edu.au

Dias, Eduardo

Department of Spatial Economics
Vrije Universiteit Amsterdam
Amsterdam, The Netherlands
edias@feweb.vu.nl

Döllner, Jürgen

Hasso-Plattner-Institute
University of Potsdam
Potsdam, Germany
doellner@hpi.uni-potsdam.de

Elias, Birgit

Institute of Cartography and Geoinformatics
Leibniz University of Hannover
Hannover, Germany
birgit.elias@ikg.uni-hannover.de

Fu, Qing

Institute of Geodesy and Geophysics
Vienna University of Technology
Vienna, Austria
fu@mail.tuwien.ac.at

Gartner, Georg

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria
georg.gartner@tuwien.ac.at

Goossen, Martin

Landscape Centre
Wageningen University and Research Centre
Wageningen, The Netherlands
martin.goossen@wur.nl

Grejner-Brzezinska, Dorota A.

Department of Civil and Environmental Engineering and Geodetic Science
The Ohio State University
Columbus, OH, USA
grejner-brzezins.1@osu.edu

Haber, Peter

Information Technology and Systems Management,
University of Applied Sciences Salzburg
Salzburg, Austria
peter.haber@fh-salzburg.ac.at

Hadjiefthymiades, Stathes

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
shadj@di.uoa.gr

Hiller, Wolfgang

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria
hillerwolfgang@hotmail.com

Houyou, Amine M.

Computer Networks and Computer Communication
University of Passau
Passau, Germany
houyou@fim.uni-passau.de

Huang, Haosheng

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria
haosheng.huang@tuwien.ac.at

Itäranta, Joonas

Nokia Research Center
Nokia Corporation
Tampere, Finland
joonas.itaerantar@nokia.com

Järv, Olle

Department of Geography
University of Tartu
Tartu, Estonia
olle.jarv@ut.ee

Jobst, Markus

Hasso-Plattner-Institute
University of Potsdam
Potsdam, Germany
markus@jobstmedia.at

Karanikolas, Nikolaos

School of Urban-Regional Planning and Development Engineering
Faculty of Engineering
Thessaloniki, Greece
karanik@topo.auth.gr

Kettunen, Pyry

Department of Geoinformatics and Cartography
Finnish Geodetic Institute
Masala, Finland
pyry.kettunena@fgi.fi

Kleijer, Frank

OTB Research Institute for Housing, Urban and Mobility Studies
Delft University of Technology
Delft, The Netherlands
frankkleijer@yahoo.com

Kohlmann, Manuel

Information Technology and Systems Management
University of Applied Sciences Salzburg
Salzburg, Austria
manuel.kohlmann@fh-salzburg.ac.at

Kolomvatsos, Kostas

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
kostasks@di.uoa.gr

Kouroupetroglou, Georgios

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
koupe@di.uoa.gr

Kranzer, Simon

Information Technology and Systems Management
University of Applied Sciences Salzburg
Salzburg, Austria
simon.kranzer@fh-salzburg.ac.at

Laakso, Katri

Devices R&D
Nokia Corporation
Tampere, Finland
katri.laakso@nokia.com

Li, Binghao

School of Surveying and Spatial Information Systems
University of New South Wales
Sydney, Australia
binghao.li@unsw.edu.au

Ligtenberg, Arend

Centre for Geo-Information
Wageningen University and Research Centre
Wageningen, The Netherlands
arend.ligtenberg@wur.nl

Lippautz, Michael

Information Technology and Systems Management
University of Applied Sciences Salzburg
Salzburg, Austria
michael.lippautz@fh-salzburg.ac.at

Liu, Gang-Jun

School of Mathematical and Geospatial Sciences
RMIT University
Melbourne, Australia
gang-jun.liu@rmit.edu.au

Meng, Liqiu

Department of Cartography
Technical University of Munich
Munich, Germany
liqiu.meng@bv.tum.de

Millonig, Alexandra

Institute of Geoinformation and Cartography
Vienna University of Technology
Vienna, Austria
alexandra.millonig@tuwien.ac.at

Mizzaro, Stefano

Department of Mathematics and Computer Science
University of Udine
Udine, Italy
mizzaro@dimi.uniud.it

Moafipoor, Shahram

Department of Civil and Environmental Engineering and Geodetic Science
The Ohio State University
Columbus, OH, USA
shahram@mail.cfm.ohio-state.edu

Mustafa, Masria

Department of Cartography
Technical University of Munich
Munich, Germany
masria.mustafa@tu-muenchen.de

Nivala, Annu-Maaria

Department of Geoinformatics and Cartography
Finnish Geodetic Institute
Masala, Finland
annu-maaria.nivala@fgi.fi

Nomikos, Vangelis

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
grad0917@di.uoa.gr

Odijk, Dennis

Department of Earth Observation and Space Systems
Delft University of Technology
Delft, The Netherlands
d.odijk@tudelft.nl

Paelke, Volker

Institute of Cartography and Geoinformatics
Leibniz University of Hannover
Hannover, Germany
volker.paelke@ikg.uni-hannover.de

Panov, Ilija

Institute for Geoinformatics
University of Münster
Münster, Germany
ilijapanov@gmx.de

Papageorgas, Panagiotis

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
ppapag@teipir.gr

Papataxiarhis, Vassilis

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
vpap@di.uoa.gr

Piralli, Irene

Information Technology and Systems Management
University of Applied Sciences Salzburg
Salzburg, Austria
irene.piralli@fh-salzburg.ac.at

Raubal, Martin

Department of Geography
University of California
Santa Barbara, CA, USA
raubal@geog.ucsb.edu

Rauchenschwandtner, Renate

Information Technology and Systems Management
University of Applied Sciences Salzburg
Salzburg, Austria
rauchenschwandtner.its2005@fh-salzburg.ac.at

Rizos, Chris

School of Surveying and Spatial Information Systems
University of New South Wales
Sydney, Australia
c.rizos@unsw.edu.au

Retscher, Günther

Institute of Geodesy and Geophysics
Vienna University of Technology
Vienna, Austria
gretsch@pop.tuwien.ac.at

Riga, Vivi

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
std02073@di.uoa.gr

Roustanis, Themistocles

School of Urban-Regional Planning and Development Engineering
Faculty of Engineering
Thessaloniki, Greece
throu@topo.auth.gr

Saluveer, Erki

Department of Geography
University of Tartu
Tartu, Estonia
erk@ut.ee

Sarjakoski, Tiina

Department of Geoinformatics and Cartography
Finnish Geodetic Institute
Masala, Finland
tiina.sarjakoski@fgi.fi

Sekkas, Odysseas

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
sekkas@di.uoa.gr

Silm, Siiri

Department of Geography
University of Tartu
Tartu, Estonia
siiri@ut.ee

Sternig, Christian

Information Technology and Systems Management
University of Applied Sciences Salzburg
Salzburg, Austria
christian.sternig@fh-salzburg.ac.at

Stylianidis, Efstratios

School of Urban-Regional Planning and Development Engineering
Faculty of Engineering
Thessaloniki, Greece
sstyl@auth.gr

Toth, Charles K.

Department of Civil and Environmental Engineering and Geodetic Science
The Ohio State University
Columbus, OH, USA
toth.2@osu.edu

Tsetsos, Vassileios

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
b.tsetsos@di.uoa.gr

van der Spek, Stefan

Faculty of Architecture, Urbanism and Building Sciences
Delft University of Technology
Delft, The Netherlands
s.c.vanderSpek@tudelft.nl

van Elzakker, Corné P. J. M.

Department of Geo-Information Processing
International Institute for Geo-Information Science and Earth Observation
Enschede, The Netherlands
elzakker@itc.nl

van Lammeren, Ron

Centre for Geo-Information
Wageningen University and Research Centre
Wageningen, The Netherlands
ron.vanlammeren@wur.nl

Vassena, Luca

Department of Mathematics and Computer Science
University of Udine
Udine, Italy
vassena@dimi.uniud.it

Verbree, Edward

OTB Research Institute for Housing, Urban and Mobility Studies
Delft University of Technology
Delft, The Netherlands
e.verbree@tudelft.nl

Vourakis, Stelios

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
ea04504@di.uoa.gr

Wu, Falin

School of Mathematical and Geospatial Sciences
RMIT University
Melbourne, Australia
falin.wu@rmit.edu.au

Xouris, Vasileios

Department of Informatics and Telecommunications
National and Kapodistrian University of Athens
Athens, Greece
std02193@di.uoa.gr

Zhang, Kefei

School of Mathematical and Geospatial Sciences
RMIT University
Melbourne, Australia
kefei.zhang@rmit.edu.au

Zhang, Meng

Department of Cartography
Technical University of Munich
Munich, Germany
meng.zhang@bv.tum.de

Zhu, Ming

School of Mathematical and Geospatial Sciences
RMIT University
Melbourne, Australia
s3139786@student.rmit.edu.au