



National Centre for
Geocomputation

9th International Symposium on
Web & Wireless Geographic Information Systems

W²GIS 2009



December 7-8, 2009, National Centre for Geocomputation (NCG), NUI Maynooth, Ireland

W²GIS 2009 – Presentation Agenda – DAY 1 – December 7

| Time | Title | Authors |
|--|---|--|
| 9:00 | <i>Registration</i> | |
| 9:45 | Welcome & Opening Remarks | Local Chair: Stewart Fotheringham , National Centre for Geocomputation (NCG), National University of Ireland Maynooth (NUIM) Symposium coChair: James D. Carswell , Dublin Institute of Technology, Ireland Symposium coChair: Gavin McArdle , University College Dublin, Ireland |
| 10:00 | Invited Speaker | Prof. Hanan Samet , SFI Walton Fellow at the National Centre for Geocomputation, NUIM, Ireland & Computer Science Department, University of Maryland, USA |
| 11:00 | <i>Coffee Break</i> | |
| Dec. 7 - Paper Session 1 – GeoSpatial Analysis | | |
| 11:15 | Moving Phenomenon: Aggregation and Analysis of Geotime-Tagged Contents on the Web | Kyoung-Sook Kim¹, Koji Zettsu¹, Yutaka Kidawara¹, Yasushi Kiyoki^{1,2} ¹ Knowledge Creating Communication Research Center, National Institute of Information and Communications Technology, Japan {ksookim;zettsu;kidawarag}@nict.go.jp ² Faculty of Environmental Information, Keio University, Japan kiyoki@sfc.keio.ac.jp |
| 11:45 | GeoPW: Towards the Geospatial Processing Web | Peng Yue¹, Jianya Gong¹, Liping Di², Jie Yuan¹, Lizhi Sun¹, Qian Wang¹ ¹ State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, China geopyue@gmail.com, geogjy@163.net, {uanjie19840603;lz_sun136;wangqian0513}@163.com ² Center for Spatial Information Science and Systems, George Mason University, Maryland, USA, ldi@gmu.edu |
| 12:15 | <i>Lunch</i> | |
| Dec. 7 - Paper Session 2 - Personalization & Semantic Geo-Spatial Web | | |
| 13:30 | Towards an Integration of Space and Accessibility in Web Personalization | Mohamed Ramzi Haddad¹, Hajer Baazaoui¹, Marie Aude Aufaure^{2,3}, Christophe Claramunt⁴, Yves Lechevallier, and Henda Ben Ghezala¹ ¹ Riadi-Gdl Laboratory, Campus la Manouba, La Manouba, Tunisia haddad.medramzi@gmail.com, hajer.baazaouizghal@riadi.rnu.tn ² INRIA-Rocquencourt, Chesnay Cedex, France marie-aude.aufaure@inria.fr |



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| 14:00 | Tiled Vectors: A Method for Vector Transmission over the Web | <p>Vyron Antoniou, Jeremy Morley, Mordechai (Muki) Haklay Department of Civil, Environmental & Geomatic Engineering, UCL, London. {v.antoniou;jmorley;m.haklay}@ucl.ac.uk</p> |
| 14:30 | Semantic Challenges for Sensor Plug & Play | <p>Arne Bröring, Krzysztof Janowicz, Christoph Stasch, Werner Kuhn Institute for Geoinformatics, University of Muenster, Germany {arneb;janowicz;staschc;Kuhn}@uni-muenster.de</p> |
| 15:00 | Coffee Break | |
| Dec. 7 - Paper Session 3 – W²GIS Case Studies | | |
| 15:15 | Providing Universal Access to History Textbooks - A Modified GIS Case | <p>Dieter Pfoser^{1,3}, Alexandros Efentakis¹, Thanasis Hadzilacos¹, Sophia Karagiorgou¹, Giorgos Vasiliou²</p> <p>¹ RA Computer Technology Institute, University Campus Patras, Greece {pfoser;efedakis;thh;karagior}@cti.gr</p> <p>²Talent SA, Athens, Greece vasiliou@talent.gr</p> <p>³ Institute for the Management of Information Systems, Athens , Greece pfoser@imis.athena-innovation.gr</p> |
| 15:45 | Data Integration GeoService: A First Proposed Approach Using Historical Geographic Data | <p>Eric Grosso¹, Alain Bouju², Sébastien Mustière¹</p> <p>¹Institut Géographique National, Laboratoire COGIT, France {eric.grosso;sebastien.mustiere}@ign.fr</p> <p>²Université de la Rochelle, France alain.bouju@univ-lr.fr</p> |
| 16:15 | A Study of Spatial Interaction Behaviour for Improved Delivery of Web-based Maps | <p>Eoin Mac Aoidh¹, David C. Wilson², Michela Bertolotto³</p> <p>¹National Centre for Geocomputation, NUI Maynooth, Ireland eoin.macaoidh@nuim.ie</p> <p>² University of North Carolina at Charlotte, USA davils@uncc.edu</p> <p>³ School of Computer Science and Informatics, UCD, Ireland michela.bertolotto@ucd.ie</p> |
| 17:00 | End Day 1 | |
| 19:00 | Conference Dinner – Barberstown Castle | |



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W²GIS 2009 – Presentation Agenda – DAY 2 – December 8

| Time | Title | Authors |
|--|---|---|
| 9:30 | Invited Speaker | Dr. Peter Fröhlich, Senior Researcher and Project Manager, FTW - Telecommunications Research Center, Vienna, Austria |
| 10:30 | <i>Coffee Break</i> | |
| Dec. 8 - Paper Session 4 - Web & Mobile Applications and Prototypes | | |
| 10:45 | EgoViz –A Mobile Based Spatial Interaction System | Keith Gardiner, Junjun Yin, James D. Carswell Digital Media Centre, Dublin Institute of Technology, Ireland {keith.gardiner;junjun.yin;jcarswell}@dit.ie |
| 11:15 | Wired Fisheye Lens: A Motion-based Improved Fisheye Interface for Mobile Web Map Services | Daisuke Yamamoto, Shotaro Ozeki, Naohisa Takahashi Nagoya Institute of Technology, Japan daisuke@nitech.ac.jp, ozeki@moss.elcom.nitech.ac.jp, naohisa@nitech.ac.jp |
| 11:45 | Automatic Generation of an Adaptive WebGIS | Sergio Di Martino ¹ , Filomena Ferrucci ² , Gavin McArdle ³ , Giacomo Petillo ¹ ¹ Dipartimento di Matematica e Informatica, University of Salerno, Italy dimartino@na.infn.it ² University of Naples Federico II, Italy fferrucci@unisa.it ³ School of Computer Science and Informatics, UCD, Ireland gavin.mcardle@ucd.ie |
| 12:15 | Campus Guidance System for International Conferences Based on OpenStreetMap | Ricky Jacob ¹ , Jianghua Zheng ¹ , Blazej Ciepluch ¹ , Peter Mooney ² , Adam C. Winstanley ¹ ¹ Department of Computer Science, NUI Maynooth, Ireland {rjacob;jianghua.zheng;bciepluch;adam.winstanley}@nuim.ie ² Environmental Protection Agency, Ireland peter.mooney@nuim.ie |
| 12:45 | <i>Lunch</i> | |
| 14:00 | <i>Best Paper & Student Presentation Awards</i> | |
| 14:15 | NCG – StratAG Research Outreach | Prof. Stewart Fotheringham, Director NCG, NUIM, Ireland |
| 14:30 | The Smart City | Tim McCarthy |
| 14:55 | Open Environmental Informatics: Open Data, Open Source, and OpenStreetMap | Peter Mooney |



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| 15:20 | <i>Coffee Break</i> | |
| 15:30 | Computer Vision based Advanced Geotechnologies | Yanpeng Cao |
| 15:55 | Spatial Pictures | Yann Morvan |
| 16:20 | A Framework for Realtime Modelling of Spatio-Temporal Data Streams | Fergal Walsh |
| 16:45 | Symposium End & Closing Remarks | Local Chair: Stewart Fotheringham , NCG, NUIM, Ireland Symposium coChair: James D. Carswell , Dublin Institute of Technology Symposium coChair: Gavin McArdle , University College Dublin |

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