## W2GIS 2006 – Presentation Agenda – DAY 1 – December 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td></td>
<td>Registration</td>
<td></td>
</tr>
<tr>
<td>9:45</td>
<td></td>
<td>Welcome &amp; Opening Remarks</td>
<td>Local Chair: Hui Lin, The Chinese University of Hong Kong Symposium coChair: James D. Carswell, DIT, Ireland Symposium coChair: Taro Tezuka, Kyoto University, Japan</td>
</tr>
<tr>
<td>10:00</td>
<td>88</td>
<td>Putting Location-Based Services on the Map</td>
<td>Michael Grossniklaus, Moira C. Norrie, Beat Signer, Nadir Weibel Institute for Information Systems, ETH Zurich, 8092 Zurich, Switzerland {grossniklaus,norrie,signer,weibel}@inf.ethz.ch</td>
</tr>
<tr>
<td>10:30</td>
<td>89</td>
<td>Beyond Location Based - The Spatially Aware Mobile Phone</td>
<td>Rainer Simon, Peter Fröhlich, Hermann Anegg Telecommunications Research Center Vienna (tw.), Vienna, Austria {simon,froehlich,hanegg}@tw.at</td>
</tr>
<tr>
<td>11:30</td>
<td>68</td>
<td>A Tourism Information System for Rural Areas based on a Multi Platform Concept</td>
<td>Alexander Almer, Thomas Schnabel, Harald Stelzl, Jörg Stieg, Patrick Luley Institute of Digital Image Processing, JOANNEUM RESEARCH, Wastiangasse 6, 8010 Graz, Austria {alexander.almer,thomas.schnabel,harald.stelzl,joerg.stieg,patrick.luley}@joanneum.at</td>
</tr>
<tr>
<td>12:00</td>
<td></td>
<td>Lunch</td>
<td></td>
</tr>
</tbody>
</table>

## Dec. 4 - Session 1 - Location-Based Services

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:15</td>
<td>106</td>
<td>Integrating Data from Maps on the World-Wide-Web</td>
<td>Eliyahu Safra¹, Yaron Kanza², Yehoshua Sagiv³, Yerach Doytsher³&lt;br&gt;¹Department of Transportation and Geo-Information, Technion, Haifa, Israel {safra,doytsher}@technion.ac.il&lt;br&gt;²Department of Computer Science, University of Toronto, Canada <a href="mailto:yaron@cs.toronto.edu">yaron@cs.toronto.edu</a>&lt;br&gt;³School of Engineering and Computer Science, The Hebrew University, Israel <a href="mailto:sagiv@cs.huji.ac.il">sagiv@cs.huji.ac.il</a></td>
</tr>
<tr>
<td>13:45</td>
<td>117</td>
<td>Web-based Cluster Analysis for the Time-series Signature of Local Spatial Association</td>
<td>Jae-Seong Ahn¹, Yang-Won Lee², Key-Ho Park¹&lt;br&gt;¹Department of Geography, Seoul National University, Korea&lt;br&gt;²Center for Spatial Information Science, The University of Tokyo, Japan <a href="mailto:jwlee@is.u-tokyo.ac.jp">jwlee@is.u-tokyo.ac.jp</a></td>
</tr>
<tr>
<td>14:15</td>
<td>101</td>
<td>A Methodology for Predicting Performances of Map-Matching Algorithms</td>
<td>Hassan A. Karimi, Thomas Conahan, Duangduen Roongpiboonsopit Geoinformatics Laboratory, School of Information Sciences University of Pittsburgh, 135 N. Bellefield Avenue, Pittsburgh, PA, USA <a href="mailto:hkarimi@mail.sis.pitt.edu">hkarimi@mail.sis.pitt.edu</a>, {jcl,dur2}@pitt.edu</td>
</tr>
<tr>
<td>14:45</td>
<td>52</td>
<td>Path Planning for Chaining Geospatial Web Services</td>
<td>Peng Yue¹², Liping Di¹, Wenli Yang², Genong Yu¹, Peisheng Zhao¹&lt;br&gt;¹Center for Spatial Information Science and Systems (CSISS) George Mason University, 6301 Ivy Lane, Suite 620, Greenbelt, MD 20770&lt;br&gt;²State Key Laboratory of Information Engineering in Surveying, Mapping and Remote Sensing, Wuhan University, 129 Luoyu Road, Wuhan, China {pyue,ldi,wyang1,gyu,pzhao}@gmu.edu</td>
</tr>
</tbody>
</table>
### Afternoon Break

#### Dec. 4 - Session 3 - Wayfinding, Mobile & Wireless GIS

15:45  108  **Representational Issues in Interactive Wayfinding Systems: Navigating the University of Auckland Campus**

  **Alan Kwok Lun Cheung**
  School of Geography and Environmental Science, University of Auckland
  10 Symonds Street, Auckland, New Zealand
  ache051@ec.auckland.ac.nz

16:15  66  **A Hybrid Spatial Model for Representing Indoor Environments**

  **Bernhard Lorenz, Hans Jürgen Ohibach, Edgar-Philipp Stoffel**
  University of Munich, Oettingenstr. 67, 80538 Munich, Germany
  {orenzh.ohiibach,stoffel}@pms.ifi.lmu.de

16:45  96  **MEMS Mobile GIS: A Spatially Enabled Fish Habitat Management System**

  **Andrea Rizzini¹, Keith Gardiner², Michela Bertolotto¹, James D. Carswell²**
  ¹School of Computer Science and Informatics, UCD, Ireland
  andrea.rizzini,michela.bertolotto@ucd.ie
  ²Digital Media Centre, Dublin Institute of Technology, Ireland
  keith.gardiner@dit.ie

17:15  136  **A Mobile Computing Approach for Navigation Purposes**

  **Mohammad R. Malek¹², Andrew U. Frank³**
  ¹Dept. of GIS, Faculty of Geodesy and Geomatics Eng., KN Toosi University of Technology, Tehran, Iran
  malek@ncc.neda.net.ir
  ²Dept. of Surveying and Geomatics Eng., University of Tehran, Tehran, Iran
  ³Institute for Geoinformation and Cartography, Technical University Vienna
  malek@ncc.neda.net.ir, frank@geoinfo.tuwien.ac.at

### End Day 1

---

#### W2GIS 2006 – Presentation Agenda – DAY 2 – December 5

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td></td>
<td>Invited Speaker</td>
<td>Prof. Yufei Tao, Department of Computer Science, City University of Hong Kong, Tat Chee Avenue, Hong Kong <a href="mailto:taoyf@cs.cityu.edu.hk">taoyf@cs.cityu.edu.hk</a></td>
</tr>
</tbody>
</table>

#### Dec. 5 - Session 4 - W2GIS Personalization & Agents

9:45  63  **Improving Archaeological Heritage Information Access Through a Personalised GIS Interface**

  **Eoin Mac Aoidh, Aggelis Koinis, Michela Bertolotto**
  School of Computer Science and Informatics, UCD Dublin, Ireland
  {eoin.macoidh,aggelis.koinis,michela.bertolotto}@ucd.ie

10:15 104  **Designing Adaptive Spatio-Temporal Information Systems for Natural Hazard Risks with ASTIS**

  **Bogdan Moisuc, Jérôme Gensel, Paule-Annick Davoine, Hervé Martin**
  LSR-IMAG Laboratory, Domaine Universitaire, 38 402 Saint-Martin d’Hères, France
  {bogdan.moisuc,jerome.gensel,paule-annick.davoine,herve.martin}@imag.fr

10:45 98  **A Contextual Approach for the Development of GIS: A Application to Maritime Navigation**

  **Mathieu Petit, Cyril Ray, Christophe Claramunt**
  Naval Academy Research Institute, 29240, Brest Naval BP 600, France
  {petit,ray,claramunt}@ecole-navale.fr

11:15 29  **P2P and Agent service based On-line 3D GIS**

  **Xi-Cheng Tan, Fu-Ling Bian**
  Research Center of Spatial Information and Digital Engineering, Wuhan University, 129 Luoyu Rode, Wuhan, China, 430079
  tbcdhp2003@163.com
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td></td>
<td>Lunch</td>
<td></td>
</tr>
</tbody>
</table>
| 13:15 | 94                                                                      | Prediction of GPS Multipath Effect using LiDAR Digital Surface Models and Building Footprints | Jing Li\(^{1}\), George Taylor\(^{2}\), David Kidner\(^{2}\), Mark Ware\(^{2}\)  
\(^{1}\)Department of Geography, University of Leicester, England, UK.  
\(^{2}\)GIS Research Centre, Faculty of Advanced Technology, University of Glamorgan, CF37 1DL, Wales, UK.  
\(^{2}\)getaylor,dbkidner,mware@glam.ac.uk |
| 13:45 | 3                                                                      | The Web Integration of the GPS+GPRS+GIS Tracking System and Real-time Monitoring System Based on MAS | YE Li\(^{1,2}\), LIN Hui\(^{3}\)  
\(^{1}\)Management College, Shanghai Business School,  
2271 West Zhongshan Road, Shanghai 200235, P.R. China  
\(^{2}\)Shanghai GALILEO Industries Ltd., Shanghai 200233, P.R. China  
\(^{3}\)Joint Laboratory for Geoinformation Science, The Chinese University of HK  
huilin@cuhk.edu.hk |
| 14:15 | 74                                                                      | A Management System of Street Trees by using RFID                      | Kim Eui-myoung\(^{1}\), Pyeon Mu-wook\(^{2}\), Kang Min-Soo\(^{3}\), Park Jae-sun\(^{2}\)  
\(^{1}\)Korea geoSpatial Information & Communication Co. Ltd., Seoul, Korea  
\(^{2}\)Department of Civil Engineering, Konkuk University, Seoul, Korea  
\(^{3}\){neptune, xteen88}@konkuk.ac.kr |
| 14:45 | 55                                                                      | A Modular Neural Network Approach to improve Map-Matched GPS Positioning | Marylin Winter, George Taylor  
School of Computing, University of Glamorgan, Pontypridd, Wales, UK.  
\(^{2}\)getaylor@glam.ac.uk |
| 15:15 |                                                                           | Afternoon Break                                                       |                                                                                                                                            |
| 15:45 | 109                                                                     | Indexing moving objects on road networks in P2P and broadcasting environments | Hye-Young Kang, Jung-Soo Kim, Ki-Joune Li  
Department of Computer Science and Engineering, Pusan National University, Pusan 609-735, South Korea  
\(^{1}\)hykang,jskim}@sel.cs.pusan.ac.kr, \(^{1}\)lik@pnu.edu |
| 16:15 | 69                                                                      | GeoComputation in the Grid Computing Age                              | Qingfeng Guan\(^{1}\), Tong Zhang\(^{2}\), Keith C. Clarke\(^{1}\)  
\(^{1}\)Department of Geography, University of California, Santa Barbara, CA, USA  
\(^{2}\)School of Geographical Sciences, San Diego State University, CA, USA  
zhangt@rohan.sdsu.edu |
| 16:45 | 93                                                                      | Semantic Spatial Web Services with Case-Based Reasoning               | Taha Osman\(^{1}\), Dhavalkumar Thakker\(^{2}\), Yanwu Yang\(^{1,2,3}\), Christophe Claramunt\(^{2}\)  
\(^{1}\)School of Computing and Informatics, Nottingham Trent University, UK  
\(^{2}\)Naval Academy Research Institute, BP 600, 29240 Brest, France  
\(^{3}\)Institute of Software, Chinese Academy of Sciences, Beijing, China  
yangyanwu@ercist.iscas.ac.cn |
| 17:15 | 87                                                                      | TMOM: A Moving Object MM DBMS for Telematics Services                 | Joung-Joon Kim, Dong-Suk Hong, Hong-Koo Kang, Ki-Joon Han  
School of Computer Science & Engineering, Konkuk University, Seoul Korea  
\(^{1}\)kim9,dshong,hkkang,kjhan}@db.konkuk.ac.kr |
| 17:45 |                                                                           | Symposium End & Closing Remarks                                        | Symposium coChair: James D. Carswell, DIT, Ireland  
Symposium coChair: Taro Tezuka, Kyoto University, Japan |