

Sensor Web Community Publications

2014

OGC

Best Practices

Andres, V., Jirka, S. & M. Utech (2014): OGC Best Practice: OGC Sensor Observation Service 2.0 Hydrology Profile (OGC 14-004r1). Wayland, MA, USA, Open Geospatial Consortium Inc.

EO2HEAVEN Consortium (2014): OGC Best Practice: Best Practice for Sensor Web Enablement: Provision of Observations through an OGC Sensor Observation Service (SOS) (13-015). Wayland, MA, USA, Open Geospatial Consortium Inc.

Engineering Reports

Bröring, A., Jirka, S., Rieke, M., & B. Proß (2014): OGC Public Engineering Report: [OGC® Testbed-10 CCI VGI Engineering Report](#) (OGC 14-016). Wayland, MA, USA, Open Geospatial Consortium Inc.

Discussion Papers

GEOWOW Consortium (2014): OGC Discussion Paper - OGC Sensor Observation Service 2.0 Hydrology Profile (OGC 14-004). Wayland, MA, USA, Open Geospatial Consortium In c.

Conference Proceedings

Jirka, S., Remke, A., Bröring, A. & M. Rieke (2014): Erfüllung von INSPIRE-Verpflichtungen zu Anhang II und III-Themen mit Hilfe von Sensor Web-Technologie. 34. Wissenschaftlich-Technische Jahrestagung der DGPF, 62. Deutscher Kartographentag der DGfK, Geoinformatik 2014 der GfGI und des GIN, Hamburg, Germany, Deutsche Gesellschaft für Photogrammetrie, Fernerkundung und Geoinformation (DGPF) e.V.

Conferences and Workshops

Tenth Plenary Session of the Group on Earth Observations (GEO-X) & Geneva Ministerial Summit

Jirka, S. (2014): GEOWOW Enhancements for Weather Forecasting and River Discharge Data. GEO-X Plenary and 2014 Ministerial GEO Summit - European Stand - Speakers' Area. January 15 - 17, 2014. Geneva, Switzerland.

Apps for Ghent 4

Peters, O. (2014): SOS for air quality and JavaScript SOS client. Apps for Ghent Workshop, May 5, 2014, Ghent, Belgium.

Map.apps Days 2014

Jirka, S. (2014): Sensor-Schnittstelle für map.apps. map.apps Days 2014, February 18, 2014. Münster, Germany

smeSpire Seminar - Introduction to Sensor Web Enablement

Jirka, S. (2014): Introduction to Sensor Web Enablement. March 12, 2014 Leuven-Heverlee, Belgium.

FOSSGIS 2014

Jirka, S. (2014): Workshop "Sensor Web and Smart Cities". FOSSGIS 2014, March 19 - 21, 2014, Berlin, Germany.

Geoinformatik 2014

Jirka, S., Remke, A. & A. Bröring (2014): Erfüllung von INSPIRE-Verpflichtungen zu Anhang II und III-Themen mit Hilfe von Sensor Web-Technologie. Geoinformatik 2014, March 26 - 28, 2014, Hamburg, Germany.

EGU General Assembly 2014

Santoro, M., Schlummer, M., Andres, V., Jirka, S., Looser, U., Mladek, U., Pappenberger, F., Strauch, A., Utech, M. & E. Zsoter (2014): Interoperability challenges in river discharge modeling. EGU General Assembly 2014, April 27 - May 2, 2014, Vienna, Austria.

INSPIRE Conference 2014

Jirka, S., Kotsev, A., Lutz, M., Rieke, M., Smith, R. & P. Smits (2014): Using the OGC SOS as INSPIRE Download Service for Observation Data. INSPIRE Conference 2014, June 18, 2014, Aalborg, Denmark.

Jirka, S., Kotsev, A., Lutz, M., Rieke, M., Smith, R. & P. Smits (2014): Workshop - The Sensor Observation Service as INSPIRE Download Service for Sharing Observation Data. INSPIRE Conference 2014, June 16, 2014, Aalborg, Denmark.

FOSS4G Europe 2014

Jirka, S. (2014): An Open Source SOS-Based INSPIRE Download Service Implementation. FOSS4G Europe 2014, July 15 - 17, 2014, Bremen, Germany.

Nüst, D., Rieke, M., & P. Breen (2014): Javascript Client Libraries for the (Former) Long Tail of OGC Standards. FOSS4G Europe 2014, July 15 - 17, 2014, Bremen, Germany.

Nüst, D. & T. Bartoschek (2014): Teaching Software Development with Open Source, GitHub, and Scrum. FOSS4G Europe 2014, July 15 - 17, 2014, Bremen, Germany.

HIC 2014

Andreas, V., Jirka, S., Schlummer, M., Bredel, H., Utech, M., Strauch, A., Busskamp, R. & U. Looser (2014): Interoperability Between GRDS's Data Holding and the GEOSS Infrastructure. 11th [International Conference on Hydroinformatics](#), August 17 - 21, 2014, New York City, New York, USA.

INTERGEO 2014

Jirka, S. (2014): Sensor Web and Pegel Data in OpenSeaMap. Open Source Park, INTERGEO 2014, October 9, 2014, Berlin, Germany.

Sea Tech Week 2014

Jirka, S., Delory, E., Toma, D.M. & J. del Rio (2014): A Sensor Web Architecture for Sharing Oceanographic Sensor Data. The 9th Marine Science Conference - "[Sea Tech Week](#)", October 13 - 17, 2014, Brest, France.

Delory, E., Toma, D. M., del Rio, J., Jirka, S. & J. Pearlman (2014): Smart Electronic Interface for Web Enabled Ocean Sensor Systems. The 9th Marine Science Conference - "[Sea Tech Week](#)", October 13 - 17, 2014, Brest, France.

Workshop on the Use of GIS/OGC Standards in Meteorology

Jirka, S. (2014): The OGC SOS as INSPIRE Download Service for (meteorological) Observation Data. The [5th Workshop on the Use of GIS/OGC Standards in Meteorology](#). October 28 - 30, 2014, Offenbach, Germany.

AGU Fall Meeting

Read, J. S., Winslow, L. A., Nüst, D., De Cicco, L. & J. Walker (2014): A suite of R packages for web-enabled modeling and analysis of surface waters. In: AGU Fall Meeting. Session H44D: Open-Source Tools and Software Development for the Hydrological Sciences

2013

Book Chapters

"Sensor Web Components" in: "Sensor Web Components" in: Klopfer, M. (Ed.). (2013). EO2HEAVEN - mitigating environmental health risks. EO2HEAVEN Consortium.
<http://www.eo2heaven.org/content/eo2heaven-book>

"Community Collaboration on Models" in: Klopfer, M. (Ed.). (2013). EO2HEAVEN - mitigating environmental health risks. EO2HEAVEN Consortium.
<http://www.eo2heaven.org/content/eo2heaven-book>

Journals

del Rio, J., D.M. Toma, T.C. O'Reilly, A. Bröring, D.R. Dana, F. Bache, K.L. Headley, A. Manuel, D.R. Edgington (2013, *accepted*): [Standards-based Plug & Work for Instruments in Ocean Observing Systems](#). IEEE Journal of Oceanic Engineering (JOE).

Diaz, L., A. Bröring, D. McInerney, G. Liberta & T. Foerster (2013): [Publishing Sensor Observations into Geospatial Information Infrastructures: A Use Case in Fire Danger Assessment](#). Environmental Modelling & Software, 48, pp. 65-80. [[publisher link](#)]

Janowicz, K., A. Bröring, C. Stasch, S. Schade, T. Everding, & A. Llaves (2013): [A RESTful Proxy and Data Model for Linked Sensor Data](#). International Journal of Digital Earth, 6(3), pp. 233-254. [[publisher link](#)]

Dissertations & Theses

Jirka, Simon (2013): Discovery Mechanisms for the Sensor Web. Dissertation in Geographic Information Science (GISDISS 011). Amsterdam (The Netherlands)/Berlin (Germany), IOS Press/AKA Verlag.

Martin Dueren (Master Thesis, 2013): Comparing User Incentives to Participate in Crowd Sourcing Automobile Sensor Data.

Sascha Koalick (Bachelor Thesis, 2013); IOIO-Droid - Easily Connecting Sensors with Smartphones.

OGC

Engineering reports

Open Geospatial Consortium. Engineering Report [OGC SWE Implementation Maturity](#). OGC 13-032. (2013). *Editor*: Percivall, G. *Authors*: Hobona, G., R. Griffith, M. Botts, A. Bröring, S. Liang, C. Gates, D. Mandl, E. Howlett, C. Reed, D. McKenzie, & G. Percivall.

Magazines

Mothes, D. & S. Jirka (2013): Eine GDI für Sensordaten. In: GDI-DE Newsletter, April 2013, p. 10.

Conferences and Workshops

GIS und GDI in der Wasserwirtschaft 2013

Jirka, S. (2012): Sensor Web-Profile für die Hydrologie. DWA: GIS und GDI in der Wasserwirtschaft 2013. January 22 - 23, 2013. Kassel, Germany.

The Use of GIS/OGC Standards in Meteorology Workshop

Bröring, A. (2013): OGC SOS and application in practice. Workshop: The Use of GIS/OGC Standards in Meteorology. March 4 - 6, 2013. Reading, UK

GeoViz 2013

Nüst, D. (2013) Visualising Interoplations of Mobile Sensor Observations. GeoViz 2013. March 6 - 8, 2013. Hamburg, Germany.

Geoinformatik 2013

Roth, M., A. Bröring, P. Maué (2013): Converting SDI Contents to Linked Data with Geographic Feature Pipes. In: Online Proceedings of Geoinformatik 2013. March 13 -15, 2013. Heidelberg, Germany. [[publisher link](#)]

18. Münchener Fortbildungsseminar GIS

Jirka, S., M. Utech & V. Anders (2013): Erhöhte Interabilität durch Sensor Web-Profile - Praxisbeispiel aus der Hydrologie. 18. Münchener Fortbildungsseminar GIS. April 8 - 11, 2103. Munich, Germany.

ISCRAM 2013

Nüst, D. (2013): Sensor Web and Web Processing Standards for Crisis Management. 10th [International Conference on Information Systems for Crisis Response and Management](#). May 12 - 15, 2013. Baden Baden, Germany.

AGILE 2013

Bröring, A., *et al.* (2013): [Live and Web-based Parcel Monitoring with Low-cost Sensors](#). In: Vandenbroucke, D., B. Bucher & J. Crompvoets (Eds.), Online Proceedings of the 16th AGILE International Conference on Geographic Information Science. May 15 - 17, 2013. Leuven, Belgium. [[publisher link](#) | [poster](#) | [video](#)]

INSPIRE Conference 2013

Bröring, A. S. Jirka, A. Kotsev & L. Spinsanti (2013): Making the Sensor Observation Service INSPIRE Compliant. In: Online Proceedings of the INSPIRE 2013 conference. June 23 -27, 2013. Florence, Italy. [[publisher link](#)]

FOSS4G 2013

Jirka, S. (2013): [An API For Visualizing Data From The Sensor Web](#). FOSS4G 2013. September 17 - 21, 2103. Nottingham, UK.

INTERGEO 2013

Bröring, A. (2013): INSPIRE Compliant Provisioning of Environmental Data. INTERGEO Conference. October 8, 2013. Florence, Italy.

Posters

Demuth, D. (2013): "The AirQuality SenseBox project ". Poster presentation at the AirMontech 2013. March 4 - 6, 2013. Duisburg, Germany.

Bröring, A. *et al.* (2013): [Live and Web-based Parcel Monitoring with Low-cost Sensors](#). Poster presentation at the AGILE 2013. May 15-17, 2013. Leuven, Belgium. [\[poster\]](#) [\[video\]](#)

2012

Book Chapters

Bröring, A., Beltrami, P., Lemmens, R. & S. Jirka (2012): Automated Integration of Geosensors with the Sensor Web to Facilitate Flood Management, Approaches to Managing Disaster - Assessing Hazards, Emergencies and Disaster Impacts, John Tiefenbacher (Ed.), ISBN: 978-953-51-0294-6, InTech, Available from: <http://www.intechopen.com/books/approaches-to-managing-disaster-assessing-hazards-emergencies-and-disaster-impacts/automated-integration-of-geosensors-with-the-sensor-web-to-facilitate-flood-management>

Journals

Jirka, S., Bröring, A., Kjeld, P., Maidens, J. & A. Wytzisk (2012): A Lightweight Approach for the Sensor Observation Service to Share Environmental Data across Europe. In: Transactions in GIS, 2012, 16(3): 293-312.

Conferences/Workshops

GIS und GDI in der Wasserwirtschaft 2012

S. Fuest (2012): Angewandte offene Standards im integrierten Wasserdaten-Management - die Rolle von OGC und WaterML2. DWA: [GIS & GDI in der Wasserwirtschaft](#). January 25 - 26, 2012. Kassel, Germany.

FOSSGIS 2012

Jirka, S. (2012): Import-Tool zum Veröffentlichen von Daten im Sensor Web. FOSSGIS 2012, March 22, 2012, Dessau, Germany.

AGILE 2012

Presentation

Bröring, A., Sankaran, S., Jirka, S. & A. Wytzisk (2012): Sharing Environmental Data Across Europe Using a Sensor Observation Service Extension for the GeoServices REST API. April 24 - 27, 2012, Avignon, France.

Geoinformatik 2012

Nüst, D.: (2012): Qualität im Sensor Web. Geoinformatik - Mobility and Environment. March 29, 2012, Braunschweig, Germany.

Sensing a Changing World 2012

Jirka, S. & Bröring, A. (2012): Practical Experiences with Sensor Web Technology. Workshop: Sensing a Changing World 2012. May 9 -11, 2012, Wageningen, The Netherlands.

Stasch, C., Jones, R., Cornford, D., Kiesow, M., Williams, M. & E. Pebesma (2012): Representing Uncertainties in the Sensor Web. Workshop: Sensing a Changing World 2012. May 9 -11, 2012, Wageningen, The Netherlands.

Nüst, D. & E. Pebesma (2012): R in the Sensor Web. Workshop: Sensing a Changing World 2012. May 9 -11, 2012, Wageningen, The Netherlands.

GEOWOW Water Work Package User Requirements Workshop, Koblenz (open to water agencies across Europe)

Jirka, S. (2012): Applications / infrastructure / standards - Introduction and Demonstrations (May 2012)

FOSS4G CEE 2012

Nüst, D. & Rieke, M. (2102): [An Extensible Sensor Platform Framework](#). May 21 - 23, 2012, Prague, The Czech Republic.

GISTalk 2012

Bröring, A. (2012): Elevator Pitch Talk - The SenseBox. GISTalk 2012. May 22 - 24, 2012, Munich, Germany.

EGU 2012

Simon, J. (2012): A Sensor Observation Service Extension for the GeoServices REST API. EGU General Assembly 2012. April 22 - 27, 2012, Vienna, Austria.

INSPIRE 2012

Bröring, A. (2012): A Lightweight Sensor Observation Service as an Extension of the GeoServices REST API. INSPIRE Conference 2012. July 23 - 27, 2012, Istanbul, Turkey.

Kjeld, P. (2012): Sensor Observation Service to support SEIS. INSPIRE Conference 2012. July 23 - 27, 2012, Istanbul, Turkey.

IGARSS 2012

Bröring, A., Maué, P., Malewski, C. & K. Janowicz (2012, forthcoming): Semantic Mediation on the Sensor Web. IEEE International Geoscience and Remote Sensing Symposium - Remote Sensing for a Dynamic Earth (IGARSS 2012). July 22 - 27, 2012, Munich, Germany.

Dissertation

Bröring, A. (2012): Automated On-the-fly Integration of Geosensors with the Sensor Web. PhD Thesis. ITC Faculty, University of Twente. Dissertation 211. ISBN: 978-90-6164-334-0. July 2012. Enschede, The Netherlands.

OGC

Webinar

Jirka, S.: (2012): Technical Details and Challenges of Sensor Webs Based on Open Standards. OGC GovFuture Webinar: "Open Sensor Webs for Better Living in Cities and Regions", 12.06.2012.

Documents

Bröring, A., Stasch, C. & J. Echterhoff (2012): OGC Implementation Specification: Sensor Observation Service (SOS) 2.0 (12-006). Wayland, MA, USA, Open Geospatial Consortium Inc.

Magazines

Kjeld, P., Jirka, S. & A. Bröring (2012): A Sensor Web for Europe. In: GEOconnexion International Magazine, April 2012, pp.36 - 37.

2011

Book Chapters

Bröring, A. & S. Jirka (2011): "Sensor Web - Praktische Anwendungsbeispiele". In: GIS-Report 2011/12, pp 15-22, Bernhard Harzer Verlag, Karlsruhe 2011.

Llaves A. & T. Everding (2011): "Discovering Geosensor Data By Means Of An Event Abstraction Layer". In Diaz L., Granell C., Huerta J. "Discovery of Geospatial Resources: Methodologies, Technologies, and Emergent Applications". IGI Global, USA.

Journal articles

Bröring, A., Echterhoff, J., Jirka, S., Simonis, I., Everding, T., Stasch, C., Liang, S. & R. Lemmens (2011): "New Generation Sensor Web Enablement". Sensors 2011, 11(3), 2652-2699.

Bröring, A., Beltrami, P., Lemmens, R. & S. Jirka (2011, in press): Automated Integration of Geosensors with the Sensor Web to Facilitate Flood Management. In: Tiefenbacher, J. P., Disaster Management, InTech.

Kjeld, P. & S. Jirka (2011): „Umweltdaten auf Abruf“, In: arcAktuell 4/2011, S. 27, Esri Deutschland GmbH, Kranzberg.

Bröring, A., Maué, P., Janowicz, K., Nüst, D. & C. Malewski (2011): "Semantically-Enabled Sensor Plug & Play for the Sensor Web". Sensors, 11(8), 7568-7605.

Janowicz, K., Bröring, A., Stasch, C., Schade, S., Everding, T., & A. Llaves (2011): [A RESTful Proxy and Data Model for Linked Sensor Data](#). International Journal of Digital Earth. DOI:10.1080/17538947.2011.614698, pp. 1-22.

OGC

Documents

Jirka, S., Bröring, A. & C. Stasch (2011): 11-169 Lightweight SOS Profile for Stationary In-Situ Sensors Discussion Paper.

Simonis, I. & C. Malewski (2011): OGC 11-058r1 *FL Starfish Fungus Language for Sensor Description Discussion Paper.

Echterhoff, J. & T. Everding (2011): OGC 11-088r1 OGC Event Service - Review and Current State Discussion Paper.

Presentations

Bröring, A. (2011): "SenseBox and IoT recommendations for OGC SWE". OGC TC Meeting. November 28 - December 2, 2011. Brussels, Belgium.

Bröring, A. (2011): "Sharing Environmental Data in a Homogeneous Way Across Europe - A Sensor Observation Service Extension for ArcGIS Server". OGC TC Meeting. November 28 - December 2, 2011. Brussels, Belgium.

Stasch, C.; Jones, R. & D. Cornford (2011) : « UncertWeb O&M Profile ». Presentation at OGC TC Meeting. March 1, 2011. Bonn, Germany.

Seminar/Workshop

Jirka, S. (2011): "Developments in Sensor Web Enablement". Geonovum Sensor Web Seminar. June 23, 2011. Utrecht, The Netherlands.

Jirka, S. (2011): "Sensor Web - Challenges of Practical Application". 2nd International Workshop of GEOTÝM project - Sensors and Sensor Web. Brno, Czech Republic.

Conferences/full Papers

AGILE 2011

Papers

Broering, A., F. Bache, T. Bartoschek & C.P.J.M. van Elzakker (2011): "The SID Creator: A Visual Approach for Integrating Sensors with the Sensor Web". The 14th AGILE International Conference on Geographic Information Science. April 18 - 21, 2011. Utrecht, Netherlands.

Jirka, S.; Wiemann, S.; Brauner, J. & E.-H. Jürrens (2011): "Linking Sensor Web Enablement and Web Processing Technology for Health-Environment Studies". Workshop on Integrating Sensor Web and Web-based Geoprocessing (ISW 2011). The 14th AGILE International Conference on Geographic Information Science. April 18 - 21, 2011. Utrecht, The Netherlands. CEUR Workshop Proceedings (CEUR-WS.org).

Rieke, M., T. Foerster & A. Bröring (2011): "Unmanned Aerial Vehicles as Mobile Multi-sensor Platforms". The 14th AGILE International Conference on Geographic Information Science. April 18 - 21, 2011. Utrecht, Netherlands.

Smolders S., Alegre C., Gianfranceschi S., Gilles M., Resch B. & T. Everding (2011): "GENESIS Employing Web Processing Services and Sensor Web Technology for Environmental Management". Workshop on Integrating Sensor Web and Web-based Geoprocessing (ISW 2011). The 14th AGILE International Conference on Geographic Information Science. April 18 - 21, 2011. Utrecht, The Netherlands. CEUR Workshop Proceedings (CEUR-WS.org).

Presentations

Bröring, A. S. Jirka (2011): "Sensor Web In Practice". Workshop on GI Research and instruction mixing commercial and Open Source Tools (GIROST). The 14th AGILE International Conference on Geographic Information Science. April 18 - 21, 2011. Utrecht, The Netherlands.

Geoinformatik 2011

Papers

Everding, T. & T. Foerster (2011): "En Event driven Architecture for Decision Support". Geoinformatik 2011 - Geochange. June 15 - 17, 2011. Muenster, Germany.

Lasnia, D., T. Foerster & A. Bröring (2011): "Towards Linking the Digital and Real World with OpenThingMap". Geoinformatik 2011 - Geochange. June 15 - 17, 2011. Muenster, Germany.

Jirka, S. & H. Bredel (2011): "Building Tracking Applications with Sensor Web Technology". Geoinformatik 2011 - Geochange. June 15 - 17, 2011. Muenster.

INSPIRE 2011

Papers

Kjeld, P.; Bliki, J.; Jirka, S. & A. Wytzisk (2011): "Sensor Web Technology for Sharing Environmental Data across Europe". INSPIRE Conference 2011. June 27 - July 1, 2011. Edinburgh, Scotland.

Jirka, S. & C. Stasch (2011): "A Lightweight Sensor Web Enablement Profile for Stationary In-Situ Sensors". INSPIRE Conference 2011. June 27 - July 1, 2011. Edinburgh, Scotland.

FOSS4G 2011

Presentations

Bröring, A.(2011): "[Applying the Open Geo-Stack to Web-enabled Things](#)". FOSS4G 2011. September 12 - 16, 2011. Boulder Colorado, USA.

Bröring, A. & S. Jirka (2011): "[Visualising Time Series Data with Open Source Components](#)". FOSS4G 2011. September 12 - 16, 2011. Boulder Colorado, USA.

IEEE Oceans 2011

Papers

del Rio, J.; Toma, D. M.; O'Reilly, T.C.; Bröring, A.; Manuel, A.; Headley, K.L. & Edgington, D. (2011): "Interoperable Data Management and Instrument Control Experiences at OBSEA". IEEE Oceans 2011. June 6 - 9, 2011. Santander, Spain.

Toma, D. M.; O'Reilly, T. C.; del Rio, J.; Headley, K. L.; Manuel, A.; Bröring, A. & Edgington, D. (2011): "Smart Sensors for Interoperable Smart Ocean Environment". IEEE Oceans 2011. June 6 - 9, 2011. Santander, Spain.

ISWC 2011

Papers

Bröring, A., Janowicz, K., Stasch, C., Schade, S., Everding, T., Llaves, A. (2011): Demonstration - A RESTful SOS Proxy for Linked Sensor Data. In: K. Taylor, A. Ayyagari & D. de Roure (Eds.), 4th International Workshop on Semantic Sensor Networks 2011 (SSN 2011), 2015-01-06

Workshop of the 10th International Semantic Web Conference (ISWC 2011). 23.10.2011. Bonn, Germany.

Stasch, C., Schade, S., Llaves, A., Janowicz K., Bröring, A. (2011): Aggregating Linked Sensor Data. In: K. Taylor, A. Ayyagari & D. de Roure (Eds.), 4th International Workshop on Semantic Sensor Networks 2011 (SSN 2011), Workshop of the 10th International Semantic Web Conference (ISWC 2011). 23. October 2011. Bonn, Germany.

GIS und GID in Wasserwirtschaft 2011

Papers

Jirka, S.; Everding, T. & A. Osmanov (2011): "Einsatz von Sensor Web-Technologie zur Hochwasser-Überwachung". DWA-Tagung - GIS und GDI in der Wasserwirtschaft 2011. January 19 - 20, 2011. Kassel, Germany.

EnviroInfo 2011

Foerster, T., Diaz, L. & A. Bröring (2011): Integrating Volunteered Human Sensor Data into Crowd-sourced Platforms: A Use Case on Noise Pollution Monitoring and OpenStreetMap. EnviroInfo 2011. 5.-7. October 2011. Ispra, Italy

MobiQuitous 2011

Papers

Bröring, A., Remke, A. & D. Lasnia (2011): "[SenseBox - A Generic Sensor Platform for the Web of Things](#)". In: 8th Annual International Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services ([MobiQuitous 2011](#)). December 6 - 8, 2011. Copenhagen, Denmark. Springer LNICST series.

LBS 2011

Foerster, T., Nüst, D., Bröring, A. & S. Jirka (2011): Discovering the Sensor Web through Mobile Applications. In: 8th International Symposium on Location-Based Services. 21.-23. November 2011. Vienna, Austria. Springer Lecture Notes in Cartography and Geoinformation.

Cybera Summit 2011

Malewski, C., Simonis, I., Terhorst, A. & A. Bröring (2011): StarFL - A new Metadata Language for Sensor Descriptions - Or: Why do we need yet another metadata language for sensor descriptions?. Workshop on Sensor Web Enablement 2011 (SWE 2011) as part of Cybera Summit 2011. 6.-7. October 2011. Banff, Canada.

UAV-g 2011

Rieke, M., Foerster, T., Geipel, J. & T. Prinz (2011). High-precision Positioning and Real-time Data Processing of UAV-Systems. Unmanned Aerial Vehicle in Geomatics (Vol. XXXVIII-1/C22). Presented at the UAV-g 2011, Zurich, Switzerland: ISPRS.

2010

Book Chapters

Jirka, S. (2010): Challenges of Sensor Discovery. Movement-Aware Applications for Sustainable Mobility: Technologies and Approaches. M. Wachowicz. Hershey, PA, USA, IGI Global: 15-29.

Raape, U., S. Teßmann, et al. (2010): Decision Support for Tsunami Early Warning in Indonesia: The Role of OGC Standards. Lecture Notes in Geoinformation and Cartography - Geographic Information and Cartography for Risk and Crisis Management. M. Konečný, Z. Sisi and T. L. Bandrova. Berlin, Germany, Springer: 233-247.

Journal articles

Stasch, C. & S. Jirka (2010): Aktuelle Sensordaten zur Entscheidungsunterstützung im Katastrophenfall. KW - Korrespondenz Wasserwirtschaft. Hennef, Germany, GFA. 3: 235-238.

Jirka, S., A. Bröring, et al. (2010): Sensor Web in Practice. GeoInformatics. Emmeloord, The Netherlands, CMedia B.V. 13: 42-45.

Grothe, M. & S. Jirka (2010): In de weer met Sensor Web Enablement. Geo-Info. Nijkerk, The Netherlands, Geo-Informatie Nederland. 7: 16-20.

Mothes, D., C. Michl, et al. (2010): Sensor Web - Schleusen auf für Geoinformationen. GIS.BUSINESS. abcverlag, Heidelberg, Germany.

Mothes, D. & S. Jirka (2010): Sensor Web in der Hydrologie. ArcAktuell 4/2010: 14-15.

Conference full Papers

Broering, A., T. Foerster, S. Jirka & Carsten Priess (2010): Sensor Bus: An Intermediary Layer for Linking Geosensor Networks and the Sensor Web. In: Proceedings of COM.Geo 2010, 1st International Conference on Computing for Geospatial Research and Applications, ACM. 21.-30. June 2010. Washington, USA.

Conference Short Papers and Abstracts

Lasnia, D., A. Broering, S. Jirka & A. Remke (2010): Crowdsourcing Sensor Tasks to a Socio-Geographic Network. AGILE 2010: The 13th AGILE International Conference on Geographic Information Science. 11.-14. May 2010. Guimaraes, Portugal.

Nuest, D., F. Bache, A. Broering, C. Stasch & S. Jirka (2010): Visualizing the Availability of Timely-Structured Sensor Data. AGILE 2010: The 13th AGILE International Conference on Geographic Information Science. 11.-14. May 2010. Guimaraes, Portugal.

Broering, A., Jirka, S., & T. Foerster (2010): The Sensor Bus - Integrating Geosensors and the Sensor Web. Presented at the Second Open Source GIS UK Conference - OSGIS 2010, Nottingham, UK.

Broering, A., Foerster, T. & S. Jirka (2010): Towards an easy Integration of Geosensors in the Sensor Web. In: A. Zipf, K. Behncke, F. Hillen, & J. Schaefermeyer (Eds.), Die Welt im Netz (pp. 196-197). Presented at the Geoinformatik 2010, Kiel, Germany: Akademische Verlagsgesellschaft.

Broering, A. & S. Jirka (2010): Verwebung von Sozialen Netzwerken und dem Sensor Web. Proceedings of FOSSGIS 2010. March 2.-5. 2010. Osnabrueck, Germany.

Alegre, C., Holzer Popp, T., Erlich, M., Gilles, M., & T. Everding (2010): GENESIS, a flexible solution for building a network of collaborative environmental services . Proceedings of the EnvirolInfo 2010, Bonn, Germany.

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Mothes, D., C. Michl, et al. (2010): Sensor Web in der Bauwerksüberwachung. 15. Münchner Fortbildungsseminar Geoinformationssysteme, Munich, Germany, abcverlag.

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