



GSDI 15 World Conference

Call for Abstracts and Papers

We are delighted to announce that the **GSDI 15 World Conference** (GSDI 15) will be held in Taipei, Taiwan (Rep. of China), from 29 November to 2 December 2016 at the Taipei Nangang Exhibition Center. The theme of GSDI 15 is “*Spatial Enablement in the Smart Homeland*”. Workshop opportunities will be offered on 28 November and during the conference itself.

The **GSDI World Conference** has built a reputation for excellence in content and relocates across the globe to offer geospatial specialists in all parts of the world opportunities to better exchange ideas and learn from global peers in building spatial data infrastructure (SDI).

GSDI 15 offers numerous opportunities for oral presentations, posters and refereed publications. We invite presentations covering the full range of practice, development and research experiences that advance the practice and theory of spatially enabling citizens, government, and industry.

Presentations will be organized in Tracks covering broad themes. The proposed Tracks and suggested topics are indicated below.

Track 1 - Smart Homeland and Disaster Management

Theme 1: SDI for the Smart Homeland

- SDI for Smart Cities, Smart Territories and Smart Environments
- Location-based Services for Smart Environments
- Indoor SDI (positioning) and Personal SDI Developments
- VGI, Crowdsourcing, and Citizen Science
- Internet of Vehicles (IoV) and Intelligent Transport Systems (ITS)

Theme 4. Disaster Management, Reduction and Mitigation

- Innovation in Disaster Management Technology
- Disaster Management ‘Best Practice’
- Protecting Critical Infrastructure
- Risk Modelling and Assessment
- Disaster and Emergency Management
- Earthquake Mitigation Challenges
- Flooding, Debris Flow, and Landslides – Risk Assessment, Mitigation and Management

Track 2 - SDI Governance, Policy & Geo Decision Making

Theme 3. SDI Governance and Policy Developments

- Open Data and Open Government
- E-Government and E-Governance
- Geospatial Legislation and Policies
- Privacy, Security and Institutional Concerns

Theme 7. Geo Data for Decision Making

- Geospatial Decision Support Systems
- Geospatial Business Modelling

- Geo-Intelligence

Track 3 - Earth Observation, Sensors, Geo Technology & SDI Innovation

Theme 5. Earth Observation and Sensors

- Observatories (environmental, transportation, logistics, citizen, health, urban)
- Earth Observation
- Remote Sensing, Survey & Mapping Applications (UAVs, LiDAR, SAR...)
- Sensor Web / Internet of Things (IoT) and Linked Data

Theme 6. Geo Technology and Innovation for SDI

- SDI in the Cloud – Challenges and Solutions
- CyberGIS
- Geospatial Big Data Management and Analytics
- 3D/4D Spatial Data Visualization and Analytics

Track 4 - Geo Education & Cartography, Regional/Global SDI

Theme 8. Geo Education and Cartography

- Geospatial Education
- Web Cartography
- Historic Geo Data Management

Theme 9. Regional and Global SDI Initiatives

- UN-GGIM Global and Regional Initiatives
- GEO/GEOSS Developments
- UN Sustainable Development Goals
- European Pan-European SDI - INSPIRE

Track 5 - Land Information and Management Systems

Theme 2: Land Information and Management Systems

- Land Information Systems
- Land and Urban Data Management
- SDI for Low Impact Development (LID)
- SDI for Resilience and Sustainable Development

GSDI 15 Publication Opportunities

This call supports *three primary forms of publication*:

- 1) a **Conference Proceedings** produced in digital format, which will contain all accepted abstracts and full papers selected for presentation, these to also be accessible from and archived on the GSDI conference web site,
- 2) a **Conference Book** to be published prior to the conference, in digital and print format, containing fully refereed articles, based on papers submitted for the Proceedings, and

- 3) selected papers, expanded as needed to satisfy the publication requirements, including peer review, for a special issue of the *International Journal for Spatial Data Infrastructure Research* (<http://ijmdir.jrc.ec.europa.eu/index.php/ijmdir/index>).

Posters and Workshops

We will accept a number of **Posters** to be presented at the conference and for which oral **Poster Presentations** will be scheduled plus proposals for targeted **Workshops**, to be delivered during the conference period (29 November to 2 December). Poster and Workshop proposal formats will be published on the GSDI 15 World Conference website at gsdi15.org.tw. The Workshop proposal form can be downloaded from this link:

http://gsdiassociation.org/images/gsd15_news/GSDI15_Workshop_Proposal_form.pdf and should be forwarded to gsdi15-workshops@gsdi.org.

GSDI 15 Conference Proceedings Submissions

Abstracts should be 250-500 words in length and will be reviewed by the international GSDI 15 Conference Paper Review Board. Authors are limited to acceptance of a maximum of two conference paper abstract submissions, whether as lead or secondary author. All submissions should be in English. At the time of submitting abstracts, authors will be asked if they intend to also submit a full paper or a poster, if the abstract is accepted.

High-quality submissions will be accepted for presentation at the conference. Abstracts and full papers will be published in the **Conference Proceedings** volume to be made available to all registered participants on a USB drive at the time of the conference. Presentations will be made available online via the conference website.

For abstract and full paper submissions, authors retain copyright in their work, but will be required to agree to a Creative Commons By-Attribution License (CC-BY version 4) (<http://creativecommons.org/licenses/by/4.0/>) to ensure continued global access to their work over time. All publications produced for the conference, including abstracts, full papers and presentations, will be archived on the GSDI Association website for open access.

Submission Deadlines

- Deadline for submission of Extended Abstracts: **1 July 2016**
- Notification of acceptance/rejection of Abstracts: **15 July 2016**

- Deadline for submission of Workshop proposals: **31 July 2016**
- Notification of acceptance/rejection of Workshop proposals: **31 August 2016**

- Deadline for submission of Posters and refereed Papers: **15 July 2016**
- Deadline for submission of non-refereed Papers: **31 July 2016**
- Notification of acceptance/rejection of submitted Paper: **15 August 2016**
- Notification of selection for Conference Book and IJSDIR article submission: **15 August 2016**

- Early bird registration ends: **15 September 2016**

- Expanded Conference Book & IJSDIR articles due: **1 October 2016**
- Notification of final acceptance of Conference Book articles: **15 October 2016**
- Conference Dates: **29 November to 2 December 2016**

- Publication of selected articles in special issue of IJSDIR: **early 2017**

Abstract, Paper and Poster Submission Process

Web Submission of Abstract:

Please submit your 250- to 500-word abstract through the GSDI-15 Conference Submission Management System. Use the 'Log in' option to create a user account at: <http://conf.gsdi.org/index.php/conferences/gsdi15/login>, so that abstracts, papers and posters can be submitted. You will create your username and password, which will be confirmed to you by email. Do not lose this information! Be sure, when creating your User account that you tick the box at the end of the Profile information to make yourself an 'Author'.

To make a submission, select the most appropriate Track for the submission from the five Tracks that are available in the drop down menu, and select 'Session Type: Extended Abstracts'. Follow the directions on screen to make your submission, completing with Step 4. Cut and paste (do NOT upload!) your abstract into the form window provided for the Abstract.

On acceptance, the system will send you an email to the address you used when setting up the account, with your username and a URL that you can use to access the submission in the system. Visit the URL to see that the information recorded on the system is correct, and to see the Track Director for the track to which you have submitted the Abstract and an email link to contact the Track Director if you so wish.

If you forget or lose your username, password or the link to your submission, do NOT make a new submission, but rather contact the Administrator who can retrieve these details for you.

E-mail Submission of Abstract:

We highly encourage submission of Abstracts and Papers through the web. However, if your web access is limited and you would prefer to submit the abstract by e-mail, then please do the following. Include the paper title, author's name, affiliation, mailing/contact address and email address, followed by the text of the abstract. The abstract submission should be 'left justified', written in English, 12-point, standard font (e.g. Times), single-spaced, with no bold, italic, or underlined text.

Submit the abstract to <GSDI15papers@gsdi.org> with an email subject line of "GSDI-15 Abstract Submission by <your last name>". The Administrator will then submit it to the website system for you. If you have not created a user account on the web site, one will be created for you, using the details and email address from your submission email.

Acceptance of Abstract: If your abstract is accepted by the Review Board and you pay the conference registration fee by the specified deadline, your submission will be scheduled in an appropriate session for oral presentation at the conference. Depending on space and time availability, a limited number of submissions may be accepted for a '*Lightning Presentation Session*'. If openings occur in the regular oral program, Lightning Round presenters will be invited to fill the longer speaking slots. If offered a regular slot you do not need to accept because many presenters prefer participating in the fast-action Lightning Round which often has larger audiences.

Paper Submission Process



If your abstract is accepted for a regular or Lightning Round oral presentation, you are encouraged to submit a full conference paper before **1 July 2016** for inclusion in the ***GSDI 15 Conference Proceedings***. The full Paper should be submitted in Word or other editable format (NOT PDF) and should adhere to the sample GSDI manuscript template which is the same as the Manuscript Template of the ***International Journal of SDI Research***. (See ‘Manuscript Preparation’ at <http://ijmdir.jrc.ec.europa.eu/index.php/ijmdir/pages/view/authors>).

To submit through the web interface, return to the GSDI-15 Conference Submission Management System using your username and password, and select the menu option for Home – User Home and then ‘New Submission’. Select a Track from the drop down menu and the ‘Refereed Papers’ option under ‘Session Type’. Complete the Submission Checklist and Copyright Notice sections, then follow the instructions in Steps 2 to 4 to submit your full Paper for review. On submission at Step 4, you will receive an automated email with your username and a URL link to the Paper in the system. The Paper will be assigned an ID number by the system, automatically.

If you submitted an Abstract, your previously received automated e-mail contains your username and password and paper ID number. If you forget your password do NOT make a new submission but rather generate a new password using the system. If all else fails, send the paper, your paper ID number, and password to **GSDI15papers@godi.org** and we will upload the paper for you. Make the email subject line: *GSDI-15 Final Paper Submission by <your last name>*.

Poster Submission Process

For posters, follow the same procedure as noted for Abstract or Paper submission above. Create a user account, note the username and password that are sent to you by email. To make a submission, select the most appropriate Track for the submission from the five Tracks that are available in the drop down menu, and select ‘Session Type: Posters’. Follow the directions on screen to make your submission, completing with Step 4. Cut and paste (do NOT upload!) your poster abstract into the form window provided for the Abstract.

Publication and Licensing Issues

Abstracts and papers will be published in the **Conference Proceedings** volume to be made available on a USB stick to registered participants and later archived on the Web. Authors retain copyright in their work but through the act of submission to this conference you are agreeing to a Creative Commons CC-BY version 4 license for your work to help ensure continued global access to the work over time (<http://creativecommons.org/licenses/by/4.0/>). All publications produced for the conference, including abstracts, full papers and presentation slides will be openly archived on the GSDI Association website.

(2) Submissions for articles in a Fully Refereed Conference Book

Based on the quality and topics covered in full papers submitted for the **Conference Proceedings**, selected authors will be offered the opportunity to submit expanded articles, consisting of 5,000-word manuscripts, for publication in a refereed **Conference Book**. The submissions will be thoroughly reviewed by at least three members of the international GSDI 15 Conference Paper Review Board. Manuscripts should describe original work that has not been published before. Due date for the expanded articles is **1 October 2016**.

Papers must be written in English, include an abstract, conform to the sample manuscript template and be submitted electronically. Authors will retain copyright in their work but will be required to

agree to a Creative Commons License (CC-BY version 4) to help ensure continued global access to their work.

Although a full paper might be deemed of high quality, the subject matter of some submissions may be inappropriate for inclusion in the planned book. Full-length article submissions for the **Conference Book** will be expected to address fundamental theory or research in any of the areas relating to the published themes of the conference. Submissions in this category might:

- test or analyze innovative approaches in addressing technical, legal, economic, institutional or educational challenges in developing spatial data infrastructure or advancing spatially enabled societies;
- critically assess current spatial data infrastructure and spatial enablement initiatives;
- document and analyze successes and challenges to be found in standards efforts, data harmonization efforts, and case histories;
- describe conceptual models that incorporate emerging or future technological, institutional, economic, legal, educational or combined solutions in overcoming spatial data sharing or spatial enablement impediments;
- compare or analyze existing alternative approaches or models for planning, financing, and implementing SDI or related initiatives in different countries or regions of the world and assess the effects of policy and technical choices in addressing cultural, social and economic issues;
- assess whether SDI or spatial enablement projects are achieving programmatic goals or broader goals such as supporting national economic competitiveness, increasing the efficiency and effectiveness of government and advancing health, safety, and social well-being;
- critically examine *best practices* in terms of their policy, technological, institutional and financial approaches and their ultimate effects on improving efficiency, effectiveness, and equity;
- identify and assess the implications of various practices and approaches on local, state, provincial, national, trans-national and global stakeholders with a particular emphasis on their ramifications in developing nations; and
- present relevant research related to the one of the other conference topics listed earlier.

The book article must adhere to the specifications set forth in the manuscript template of the ***International Journal of SDI Research***. (See ‘Manuscript Preparation’ at <http://ijmdir.jrc.ec.europa.eu/index.php/ijmdir/pages/view/authors>).

This scholarly book will be distributed at the conference as an e-book to all registered participants, free of charge, but the book will include the normal ISBN information and be filed with the U.S. copyright office as with past published GSDI Association conference books. All articles and the book in entirety will be licensed under Creative Commons CC-BY version 4 open access licenses. Persons desiring a hard copy of the book may use the global network of on demand book printers to acquire one. Contact information about on-demand book printers will be provided with the posted versions of the e-book (e-pub, Kindle and pdf).

Revised articles that fail to adequately address the comments of reviewers as assessed by the editors or fail to meet required formatting requirements or deadlines will be dropped from the peer reviewed publication at the sole discretion of the editors.

(3) Submissions for articles in *International Journal of SDI Research*



Based on the quality and topics covered in full papers submitted for the **Conference Proceedings**, selected authors will be offered the opportunity to submit expanded articles for publication in a special issue of the *International Journal of SDI Research* (IJS DIR) to be published in 2017. Selected papers/authors will be notified prior to the conference and, if they accept, must produce their expanded articles using the manuscript template of the *International Journal of SDI Research* and other instructions available from the IJS DIR website at <http://ijsdir.jrc.ec.europa.eu/index.php/ijsdir/pages/view/authors>. Due date for expanded articles for IJS DIR is **1 October 2016**.

Rules for submitting articles to IJS DIR apply to all submissions. Articles will be submitted to IJS DIR using the procedure described at the link above. Reviewers will be drawn from the GSDI 15 Paper Review Board. Deadlines relating to submission, review and final acceptance of articles to be published in the IJS DIR will be announced at the time authors are notified of this opportunity for further exposure of their selected paper.

Full Book Article Submission Process

Web Submission: Please submit your full article along with its abstract through the GSDI 15 Conference Submission Management System. Cut and paste the abstract into the form but also retain the abstract as part of the full article.

E-mail Submission: We highly encourage submission through the web. However, if your paper is too large for the system, deliver it to **GSDI15papers@godi.org** with an email subject line of *GSDI-15 Book Article Submission by <your last name>*

Related Links

- Conference Call for Abstracts and Papers (PDF):
http://gsdiassociation.org/images/godi15_news/GSDI_15_World_Conference_Call_for_Abstacts.pdf
- Conference Website: <http://gsdi15.org.tw>
- Conference Abstract/Paper/Poster submission website:
<http://conf.godi.org/index.php/conferences/godi15>
- International Journal of SDI Research:
<http://ijsdir.jrc.ec.europa.eu/index.php/ijsdir/pages/view/authors>
- Past open access Books affiliated with the GSDI conferences:
<http://gsdiassociation.org/index.php/publications/publications.html>

We look forward to seeing you in Taipei in 2016!

Best regards,

The GSDI 15 Conference Organizing Committee

Contact: gsdi-15-info@godi.org