

Call for Papers FOSS4G 2016 Scientific Track

As in previous FOSS4G conferences the FOSS4G 2016 Scientific Track provides a strong basis for building bridges for intensified collaboration among researchers, developers, users, and practitioners carrying out research and development in the geospatial field using open source geospatial software, standards.

We encourage academic papers describing:

- the use of open source geospatial software, standards, and data, in and for scientific research, as well as
- academic endeavours to conceptualize, create, assess, and teach open source geospatial software and data.

To submit a paper please register [here](#). Please note that this is a different process from the regular sessions. If you would like to provide support as a reviewer please contact one of the chairs listed below.

Themes

Based on these broad categories, we invite your contributions for example within the following **themes**:

- Architectures and frameworks for open source software and data
- Business Models for Open Source / Open Data
- Data Quality, Software Quality and Service Quality
- Community Building
- Doing more for less: Assessment of costs and benefits of open source applications and open source business models
- Use of Open Data in public administration and services
- FOSS and FOSS4G: Is spatial special?
- Building bridges to combine open and closed software
- Teaching Geospatial Sciences with open source solutions
- History of Geospatial Open Standards
- Open Database Protection
- Open Data Resources, Linked Open Data, Open Data Commons, Open Data Best Practices

- Open Data Technologies and Interoperability
- Cross-border approaches, Political Open Data Support, Licensing Policies
- Open Source GIS application use cases, i.e., in planning, administration, infrastructure, environment and disaster management, and business
- Implementation and benefits of open standards, needs for further developments in standardization
- Location Based Services
- Indoor and Outdoor Location and Mapping
- Unmanned Aerial Systems: Open Hardware and Software
- Urban Science/City Analytics
- Citizen science and user generated content
- Big Geo Data
- Internet of Things and Internet of Places

We invite academics and researchers to submit full papers in English, of maximum 6,000 words, before the *deadline*. In addition the submission of *posters* will be possible in 2016. Paper submissions should follow the templates provided [5].

Important Dates

- Paper Submission Deadline: March 21th 2016
- Decision Announcement: May 15th 2016
- Revisions Due: July 5th 2016 (planned)
- FOSS4G Conference: August 24h-16th 2016
- Final submission for the journal: September 2016

Review process

We expect to select 20-25 papers for presentation and publication. Your contributions will be reviewed (double-blind) by geospatial experts, who will assess the papers on originality and academic rigour, as well as interest for the worldwide FOSS4G and Open Data community.

Based on your presentation in Bonn, as well as discussion with the editors, a final selection will be made, and a final round of editing will be undertaken. In this way we hope to encourage and help especially early-stage researchers (PhD students, post-doc scientists) to strive for high-quality papers.

8-10 papers will be published in a special issue of the renowned international online journal Transactions in GIS [1] and/or the International Journal of Cartography which was recently launched [2]. The remaining papers will be published in the online OSGeo Journal [3].

Contact:

If you have any questions, please contact the chairs of the academic committee:

- Dr. Franz-Josef Behr, Professor of Spatial Information Processing, Hochschule für Technik Stuttgart, franz-josef.behr@hft-stuttgart.de
- Dr. A.P. Pradeepkumar, Professor of Geology, Dept of Geology, University of Kerala, Trivandrum <mailto:geo.pradeep@keralauniversity.ac.in>

About FOSS4G

The annual FOSS4G conference is the largest global gathering focused on open source geospatial software. FOSS4G brings together developers, users, decision-makers and observers from a broad spectrum of organizations and applications. Through eight days of workshops, presentations, discussions, and cooperation [4], FOSS4G participants create effective and relevant geospatial products, standards, and protocols.

FOSS4G has been held all over the world and draws attendees from over 40 countries. After Portland, Oregon, USA, in 2014, and Seoul, South Korea, in 2015, FOSS4G will be hosted in Bonn, Germany .

[1] Transactions in GIS. Published by Wiley; impact factor 1.398; SI Journal Citation Reports © Ranking: 2014: 26/76 (Geography), edited by: John P. Wilson, Qiming Zhou and Alex Singleton. Online ISSN: 1467-9671. <http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291467-9671>

[2] International Journal of Cartography. edited by: William Cartwright and Anne Ruas, ISSN 2372-9333 (print), 2372-9341 (online). <http://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=tica20#.Vo0zo1LSv-s>

[3] OSGeo Journal, the official Journal of the Open Source Geospatial Foundation; <http://journal.osgeo.org/index.php/journal>

[4] FOSS4G 2016, Time Schedule: <http://2016.foss4g.org/index.php/schedule.html>

[5] Template for submission: http://2016.foss4g.opencts.org/downloads/FOSS4G2016_templates.zip