

## TRIPOD Project Newsletter N.03- MAY 2009

Welcome to **Issue 3!**

This Newsletter provides information on the upcoming technologies/news in the field of image geo-localisation and related issues, bringing you up to date information on the ongoing activities of the Tripod project.

Your Feedback is very welcome! Your active involvement in this community creates a network of professional users providing authoritative opinions. Your feedback on the most relevant information/events and the most innovative/interesting technologies is a precious contribution.

Find more information about the **TRIPOD PROJECT** on our website <http://tripod.shef.ac.uk/>

### UPCOMING EVENTS

**TRIPOD** will be **exhibiting** at the **Chorus conference** in Brussels, 26-27 May 2009!!!

<http://ist-chorus.org/conference.asp>

Representatives from TRIPOD team will attend the following events:

- **AGILE 2009**, 12th International Conference on Geographic Information Science, 02-05 June 2009, Hannover-Germany, <http://www.agile-online.org/>
- **CEPIC 2009** -Annual Conference - European Picture Agencies. 03-07 June 2009, Dresden-Germany, <http://www.cepic.org/>
  - Photo Metadata Conference, <http://www.phmdc.org/>

Other events of interest:

- **CBMI 2009**, 7th Int. Workshop on Content - Based Multimedia Indexing, 3-5 June, 2009, Chania, Crete, <http://www.cbmi2009.org/>
- **ACM SIGKDD 2009**, Conference on Knowledge Discovery and Data Mining, 28 June - 1 July 2009, Paris - France <http://www.kdd.org/kdd2009>
- **ISSDQ 2009** 6th Symposium on Spatial Data Quality, 5-8 July 2009 St. John's , Newfoundland- Canada, <http://www.mun.ca/issdq2009/>
- **CIVR 2009**, ACM International Conference on Image and Video Retrieval, July 8-10, 2009, Santorini, Greece, <http://www.civr2009.org/>
- **ESRI 2009**, International User Conference, 13-17 July 2009 San Diego, CA – USA, <http://www.esri.com/events/uc>
- **Qomex 2009**, First International Workshop on Quality of Multimedia Experience, San Diego, California – USA, 29-31 July 2009, <http://www.qomex.org>
- **MT Summit XII**, Machine Translation Summit XII, 25-29 August 2009 Ottawa, Ontario – Canada, <http://summitxii.amtaweb.org/>
- **COSIT 2009**, Conference on Spatial Information Theory, 21-25 September 2009 Aber Wrac'h - France <http://www.cosit.info/>
- **ACM GIS 2009** - International Conference on Advances in Geographic Information Systems 2009, 4-6 November 2009, Seattle-Washington <http://acmgis09.cs.umn.edu/>



## TRIPOD on RETRIEVAL EFFECTIVENESS

One of the overarching goals of Tripod is to make images more accessible for users, primarily by making the images more searchable.

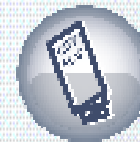
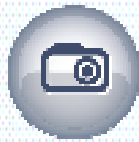
One of the tasks providing such enhanced searchability has been concerned with constructing enhanced captions for legacy images with some form of existing caption. By identifying the location of a photograph in the caption, estimates of the geographic footprint of the image can be made. From this Tripod adds a series of terms from a concept hierarchy that are pertinent to the spatial location of the image. The terms are then ranked using a web based weighting system that picks out the most appropriate to be assigned to the legacy image.

Tests on the Tripod system are proving encouraging both in the caption enhancement and in improved retrieval effectiveness.

## APPLICATIONS, TOOLS, TECHNOLOGIES, AND NEWS RELATED TO IMAGE GEO-LOCALISATION

The list includes related links, articles of interest, eventual TRIPOD competitors.

- Technologies of Vision: semantic image labeling <http://tev.fbk.eu/TeV/Research/vem.html>  
<http://tev.fbk.eu/marmota/gallery/marmota.pl?full=1;function=about>
- HeyWhats That: Panorama generator <http://www.heywhatsthat.com/>
- The Panorama Scope <http://panoramascope.com/>
- i2KQuickage panorama software [http://www.i2align.com/download\\_panorama\\_montage\\_software.php/](http://www.i2align.com/download_panorama_montage_software.php/)
- Google Image Labeler <http://images.google.com/imagelabeler/>
- Geotate geotagger: <http://www.geotate.com/en/index>
- Jobo photo GPS geotagger <http://www.engadget.com/2008/09/18/third-times-a-charm-jobo-re-re-launches-photogps-geotagger/>
- GPS device: Solmeta geotagger <http://www.solmeta.com/>
- Eye-fi geotagger <http://www.eye.fi/services/geotagging/>
- GPS photography adds location to digital photos <http://www.gps-practice-and-fun.com/gps-photography.html>
- Placeopedia <http://www.placeopedia.com/>
- GigaPan <http://gigapan.org/>
- Tele Atlas Urban Maps <http://www.teleatlas.com/>
- Open street map <http://www.openstreetmap.org/>
- Open cycle map <http://www.opencyclemap.org/>
- Navteq discover cities [http://www.navteq.com/nederlands/about/advanced\\_discover\\_cities.html](http://www.navteq.com/nederlands/about/advanced_discover_cities.html)
- Digital Compass (Magnetometer) <http://www.macrumors.com/2009/05/07/digital-compass-magnetometer-confirmed-in-next-iphone/>
- International Imaging industry association <http://www.i3a.org/about-i3a/awards/vision2020/>



## LATEST ARTICLES/PAPERS

**Gornostay T. and Skadiņa I.** (2009) English-Latvian Toponym Processing: Translation Strategies and Linguistic Patterns in Proceedings of the 13th Annual European Association for Machine Translation Conference, May 14-15, Barcelona, Spain.

**Gornostay T. and Skadiņa I.** (2009) Pattern-based English-Latvian Toponym Translation in Proceedings of the 17th Nordic Conference on Computational Linguistics NODALIDA, May 14-16, Odense, Denmark.

**Gornostay T. and Aker A.** (2009) Development and Implementation of Multilingual Object Type Toponym-Referenced Texts for Optimizing Automatic Image Description in Proceedings of the 15th International Conference on Computational Linguistics, May 27-31, Bekasovo, Russia.

**Tomko, M., & Purves, R.** (accepted, 2009). Venice, City of Canals: Characterizing Regions through Content Classification. *Transactions in GIS*.

**Tomko, M., & Purves, R.** (to appear, 2009). Identification of Practically Visible Spatial Objects in Natural Environments. In *Advances in GIScience. Proceedings of the 12<sup>th</sup> AGILE International Conference on Geographic Information Science, AGILE2009, Lecture Notes in Geoinformation and Cartography Series*, Springer-Verlag, Berlin.

**D. Crandall, L. Backstrom, D. Huttenlocher and J. Kleinberg** - Department of Computer Science Cornell University Ithaca, NY, "Mapping the world's photos", in Proceedings 18<sup>th</sup> Int. World Wide Web Conference, Madrid 20-24 April 2009, <http://www2009.org/proceedings/pdf/p761.pdf>

"Geo imaging: Maps locate and present pictures" *The 6sight Report*, volume 17, issues 03, April 2009, [http://www.pmai.org/uploadedFiles/6sight\\_report\\_0409.pdf](http://www.pmai.org/uploadedFiles/6sight_report_0409.pdf)

*TRIPOD partners continuously collect relevant information in order to provide you with this periodical updated Newsletter. [Send us](#) related articles which might be of interest!*

The TRIPOD Community is enlarging its membership; new members are very welcome so if you are connected with users willing to join our community, please put them in [contact with us](#)

Thank you for your collaboration! Kind regards

The Tripod team

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