

GeoPrivacy 2015 Workshop Report

The Second ACM SIGSPATIAL International Workshop on Privacy in Geographic Information Collection and Analysis

Seattle, WA, USA - November 3, 2015

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Developments in mobile and surveying technologies over the past decade have enabled the collection of individual-level and aggregated geographic information at unprecedented scale. These data are valuable sources for answering scientific questions about human behavior and improving related services, from public transportation to location-aware recommendations. However, privacy intrusion is an imminent risk when individual trajectories (and in some cases aggregated travel patterns) are used for commercial purposes such as customer profiling, or even for political persecution. Similarly, there is a trade-off between location privacy and quality of spatial search and recommender systems. The GeoPrivacy workshop will hence focus on discussing methods to protect individuals' privacy while enabling collection, analysis, and sharing of useful geographic information.

GeoPrivacy 2015 (<http://stko.geog.ucsb.edu/geoprivacy2015>) was held in conjunction with the 23rd ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems (SIGSPATIAL 2015) on November 3, 2015 in Seattle, WA, USA. This workshop touched on an area of geospatial science that affects any researcher working with real-world geodata. With the recent rise in geosocial networking applications as well as advances on location-enabled mobile devices, the topic of geoprivacy has become a major discussion point both in location-specific research as well as everyday life. This workshop offered a unique platform from which to really delve into a dialog on issues related to privacy and credibility within the domain of geoscience and computational geography. The goal of this workshop was to bring together researchers, developers and users of geospatial data to explore methods, techniques, datasets and issues surrounding an area of GI science that has attracted significant interest among researchers and the public.

The workshop received 8 submissions of which 5 research papers (4 full and 1 short) were accepted for publication in the proceedings and for presentations (30 minutes for each paper). The one-day workshop opened with a thought-provoking keynote from Dr. Darakhshan Mir and the remainder of the day was split in to two sessions, *Geoprivacy Preservation* and *Geoprivacy Application*. The GeoPrivacy workshop concluded with structured discussion on the "Big questions" in GeoPrivacy from social and technical perspectives.

We would sincerely like to thank the authors for publishing and presenting their work at GeoPrivacy 2015, the keynote speaker and the program committee members and external reviewers for their thoughtful evaluation and help in the paper review process. We hope that readers of the workshop proceedings will find it interesting and it will motivate continued discussion on the future of geoprivacy-based research.