

## Michail Vaitis

**Michail Vaitis** is an associate professor on Informatics – Geographic Databases, Dept. of Geography, University of the Aegean, Greece. He received an engineering diploma and PhD degree in computer engineering and informatics from the University of Patras, Greece. In the past, he worked at the Research Academic Computer Technology Institute (RA-CTI), Greece, on database and hypertext systems. His research interests include geographical databases, spatial data infrastructures, geographic hypermedia and geo-spatial semantic web - linked data. He has participated as a team member, work package leader or coordinator in over 30 funded EU and Greek projects. He has published 65 papers in journals and proceedings (peer reviewed).

### SELECTED PUBLICATIONS

1. Vaitis, M., Kavroudakis, D., Koukourouvli, N., Simos, D., Sarigiannis, G.: “An Integrated Information System for Road Traffic Accidents: The Lesvos Island, Greece, Case Study”, *International Journal of Applied Geospatial Research*, 10(3):21, 2019.
2. Vaitis, M., Feidas, H., Symeonidis, P., Kopsachilis, V., Dalaperas, D., Koukourouvli, N., Simos, D. and Taskaris, S.: “Development of a spatial database and web-GIS for the climate of Greece”, *Earth Science Informatics*, June 2018.
3. Yiu, M. L., Lu, H., Mamoulis, N., Vaitis, M., “Ranking Spatial Data by Quality Preferences”, *IEEE Trans. on Knowledge and Data Engineering*, 23 (3), 2011.
4. Kalabokidis, K., Athanasis, N., Vaitis, M. and Soulakellis, N., “The Role of Semantic Web in the Development of Fire Management Geoportals”, *VI International Conf. on Forest Fire Research*, Coimbra, Portugal, 15-18 November, 2010.
5. Kalabokidis, K., Athanasis, N., and Vaitis, M., “OntoFire: an ontology-based geo-portal for wildfires”, *Natural Hazards and Earth System Sciences*, 11 (12), 2011, pp. 3157-3170.
6. Yiu, M. L., Mamoulis, N., Dai, X., Tao, Y., Vaitis, M., “Efficient Evaluation of Probabilistic Advanced Spatial Queries on Existentially Uncertain Data”, *IEEE Trans. on Knowledge and Data Engineering*, 21(1), 2009, 108–122.
7. Athanasis, N., Kalabokidis, K., Vaitis, M., Soulakellis, N., “Towards a semantics-based approach in the development of geographic portals”, *Computers & Geosciences*, 35, 2009.
8. Vaitis, M. and Tzagarakis, M., “Towards the Development of Open Cartographic Hypermedia Systems”, in: Stefanakis, E., Peterson, M. P., Armenakis, C., Delis, V. (eds.), *Geographic Hypermedia: Concepts and Systems*, Springer (Series: Lecture Notes in Geoinformation and Cartography), 2006.
9. Athanasis, N., Kalabokidis, K., Vaitis, M., Soulakellis, N.: “The Emerge of Semantic Geoportals”, *Proceedings of the 1st International Workshop on Semantic-Based GIS (SeBGIS, Agia Napa, Cyprus, October 31-November 4, 2005)*, Springer-Verlag LNCS 3762, 2005, pp. 1127-1136.

### COORDINATION OF RESEARCH PROJECTS/PACKAGES (SELECTED)

- “ERMIS-F: Environmental Risk Management and Information Service-Floods”, Interreg V–A Greece-Cyprus, 2018-2020.
- “Spatial Data Infrastructure of the University of the Aegean”, Digital Convergence, 2012-2014.
- “GEOCLIMA: Geographic Information System for the Climate of Greece”, Synergasia 2009, 2011-2014.
- “IDEUNIVERS - Spatial Data Infrastructures for Universities and Research Centers of the Western Mediterranean Sea”, Interreg III B – MEDOCC, 2006-2008.