

Poulicos Prastacos

Regional Analysis Division
Institute of Applied and Computational Mathematics
Foundation for Research and Technology - Hellas

Education

- Ph.D. in Transportation Systems, Dept. of Civil Engineering, University of Illinois at Urbana-Champaign, 1981.
- M.S. in Construction Management, Dept. of Civil Engineering, University of Illinois at Urbana-Champaign, 1976.
- B.S. Dept. of Civil Engineering, Columbia University, 1975.

Professional Interests

- Urban analysis
- Geographical information systems applications in transportation, environment, regional planning
- Statistical and environmental databases
- Web GIS and applications on the internet
- Land use, transportation, regional economic models

Professional Experience

- Director of Research, Institute of Applied and Computational Mathematics (IACM), Foundation for Research and Technology-Hellas (FORTH), Heraklion, Greece, since 1990.

Head of the Regional Analysis Division that concentrates on the development of information tools and quantitative methodologies to assist urban and regional planning. Areas of research include: urban analysis, decision support tools and GIS applications, remote sensing methodologies, statistical information systems.

Leading investigator for FORTH in the following R&D projects funded by the European Union:

- *EPIRROH*: Development of a GIS system for managing water distribution systems (2017-2019)
- *SUME*: Sustainable urban metabolism for Europe (2009-11)
- *LIAISON*: Location based services for the enhancement of working environment (2004-06)
- *GIPSYNOISE*: An efficient GIS tool oriented to meeting the objectives of the European Directive on the Assessment and Management of Environmental Noise (2003-05)
- *EMPHIS*: Euro-Mediterranean public health information systems (2002-05)
- *WADI*: Water supply watershed planning and management: An Integrated Approach (2001-04)
- *ANFAS*: Data fusion for flood analysis and decision support, Scientific coordinator of the project (2000-03)
- *VIRGIL*: Verifying and consolidating rural access to services and transport (1998-2000)
- *THETIS*: Data management and data visualisation systems for supporting Coastal Zone management for the Mediterranean Sea (1998-2000)
- *ESIMEAU*: Information technologies for water resources management and modelling in semi-arid areas (1997-99)
- *TEMISIA*: Territorial multimedia information system on industrial areas (1997-99)
- *FOREST FIRE*: Improvement of the efficiency of the prevention and suppression system in Greece (1995-98)
- *MAGIS*: Map supported area information service based on GIS (1993-96)
- *MESSARA*: An integrated monitoring and modeling study of desertification and climatic change Impacts in the Messara Valley of Crete (1994-96)
- *CASSIP*: An automated system for information processing in budget research (1990-92)

Leading investigator in the following R&D projects /studies funded by government organizations in Greece:

- *PERAN*: Analysis of the urban areas of Europe (2018-2019)
- *POLITEIA II*: Documentation of cultural heritages sites using 3D techniques (2018-2019)
- *PEFYKA*: Analysis of the socioeconomic characteristics of the Attiki region (2014-15)
- *POLITEIA*: Documentation of cultural heritage sites using the INSPIRE Directive (2014-15)
- *OSDDT-MED*: Development of urban growth models for five areas in Crete (2013)
- *COASTAL ATLAS*: Development of a GIS based system for coastal zone management (2006-08)
- *IACRETE*: Development of a system for tracking vehicles and estimating traffic conditions based on information obtained from moving vehicles (2006-08)
- *OASA*: Support to OASA (Athens Urban Transport Organization) on issues related to GIS (2003-4)
- *HEALTH MAP*: Development of decision support system for managing resources in health districts (2001-02), and a web site with information on health resources
- *PANDORA*: Development of a GIS based web site with demographic information (2000-01)
- *LABOR MARKET*: Analysis of the labor markets of Crete (1999),
- *ATHINA*: Development of the “*Athina-91*” system for the disseminating the 1991 Greek Census of population and housing data (1997-98)
- *POLH*: Development of a geographic information system for the city of Heraklion and application for waste management collection (1996-99)
- *AQUABANK*: Information systems for analyzing aquaculture data(1992-94)
- *XENIOS*: Development of on-line information systems for tourism in Crete (1991-93, 1996)
- *HFAISTOS*: Development of on-line information systems for the SMEs in Crete (1990-92)

- Managing director, Infocharta Ltd. and InfoTraffic SA., Athens, Greece, 1993-12.

Startup companies involved with the development of digital street maps for cities in Greece, development of Automatic Vehicle location systems, taxi dispatch systems, city portals for disseminating traffic information (www.driveme.gr, www.infotraffic.gr)

- Visiting Lecturer, Athens University of Economics and Business (AUEB), 2002-08
Teaching a graduate course on "Telematics in Transportation".

- Consultant, Itanos Technologies SA, Heraklion, Greece, 1994-95.

Project manager in the following projects that Itanos Technologies undertook:

- *PLHROFORIA*: Development of a client server system for accessing statistical databases, 1994-95

- Consulting Associate Professor, Civil Engineering Dept., Stanford University, USA, 1987-89.
Teaching a course on "Transportation Planning and Policy".

- Senior Regional Planner, Association of Bay Area Governments (ABAG), Oakland, California, 1980-90.

ABAG is the regional planning agency in the San Francisco metropolitan area in California. Member of the group responsible for developing economic and housing projections for the area; responsible for the development of various urban/land use models and information systems. Leading investigator in the following projects:

- Design and updates of econometric employment forecasting models (*CEFS*), 1982-89
- Design, implementation and updates of land use-transportation models (*POLIS*) for the San Francisco Bay Area to study alternative housing and transportation policies, 1983-89
- Application of Social Area Analysis techniques in the counties of the Bay Region, 1984-85
- Development of *CeDAR*, a census information system for microcomputers, 1985-86
- Implementation of GIS system for geocoding the address of all companies in the Bay Area, 1987-89
- Analysis of retail trade patterns and development of forecasting models, 1988-90

- Consultant, Urban MicroSystems (UMS), Oakland, USA, 1988-2001. Participated in several consulting projects that UMS undertook. UMS was a consulting company specializing in the development of GIS based information systems. Responsible for the following projects:
 - Development of GIS systems for various cities and organizations in the San Francisco Bay Area in the areas of tree irrigation, crime analysis and air emissions tracking, 1988-91
 - Update of the POLIS land use models for ABAG, 1993-94,
 - Updates of the Contra Costa County Congestion Management Program, 1994-2001
- Research Assistant, Departments of Civil Engineering and Urban Planning, University of Illinois, Champaign-Urbana, USA, 1978-80. Performed research on the:
 - Relationship between regional growth and provision of transportation infrastructure
 - Design of transportation energy accounts for the city of Chicago.
- Research Associate, Argonne National Laboratory, Chicago, USA, 1978-79. Member of a research team that developed a prototype land use - transportation model to evaluate the impact of energy conservation policies on urban growth.
- Research Associate/Consultant, Construction Engineering Research Laboratory, Army Corps of Engineers, Champaign, USA, 1976-78. Member of a research group to develop an information system for automatic estimation of the cost of various public works; assisted in the design of a management information system for monitoring “change orders” in the contracts awarded by the Corps.

Publications

- Prastacos, P., Lagarias, A., 2018. Urban form and transportation infrastructure in European cities, Proceedings Conference on sustainable urban mobility 2018, Skiathos, May 2018.
- Prastacos, P., Lagarias, A., Chrysoulakis, N., 2017. Using the Urban Atlas dataset for estimating spatial metrics; methodology and application in urban areas of Greece. *Cybergeog : European Journal of Geography*, no 815.
- Prastacos, P., Lagarias, A., 2016. An analysis of the form of urban areas in Europe using spatial metrics. *Proceedings of the 19th AGILE Conference on Geographic Information Science*, Helsinki University, Helsinki, Finland, June 14-17, 2016.
- Prastacos, P., Lagarias, A., 2016. Sprawl in European urban areas. In Themistocleous, K., Hadjimitsis, D., Michaelides, S., Papadavid, G. (eds) *Fourth International Conference of Remote Sensing and Geoinformation of the Environment (RSCy2016)*, Proc. of SPIE Vol. 9688, 968816,
- Gkadolou, E., Prastacos, P., 2016. Documentation of cultural heritage sites using the INSPIRE Directive. In Themistocleous, K., Hadjimitsis, D., Michaelides, S., Papadavid, G. (eds) *Fourth International Conference of Remote Sensing and Geoinformation of the Environment (RSCy2016)*, Proc. of SPIE Vol. 9688, 968811.
- Prastacos, P., Gkadolou, E., 2015. Adding a geographical component in cultural heritage databases. In Sarris, A. (ed.), *Best Practices of GeoInformatic Technologies for the Mapping of Archaeolandscapes*, Archaeopress Archaeology.
- Triantakostas, D., Prastacos, P., Tsoukala, A., 2014. Analysing urban sprawl in Rethymno, Greece. *Journal of the Indian Society of Remote Sensing*, 42 (3), 601-610.

- Pistolla, G., Tsilimparis, M., Prastacos, P., Sifaki-Pistolla, D., Philalithis, A., Pallikaris, I., 2013. Ophthalmological disorders in rural areas of Crete: A geospatial analysis. *Rural and Remote Health*, 13, (1), 2020.
- Prastacos P., Chrysoulakis, N., Kogxylakis G., 2012. Urban Atlas and spatial metrics for the Greek cities. *Proceedings of the 14th AGILE meetings*, Avignon, France, April 2012. Also presented in the 3rd Pan Hellenic conference on Regional and Urban Planning, Volos, Greece, September 2012.
- Pistolla G., Prastacos, P., Tzanakis N. Philalithis A., 2012. Clustering of mortality rates in Greece's prefectures. *Scientific Research and Essays*, (7) 45, 3860-3876.
- Mantelas, L., Prastacos, P. Hatzichristos, T., Koutsopoulos K., 2012. A linguistic approach to model urban growth. *International Journal of Agricultural and Environmental Information Systems*, 3 (2), 35-53.
- Mantelas, L., Prastacos, P. Hatzichristos, T., Koutsopoulos K., 2012. Using fuzzy cellular automata to access and simulate urban growth. *GeoJournal*, (77) 1, 13-28, first online: 19 August 2010.
- Mantelas, L., Prastacos, P., Mollay, U., 2011. Sustainable urban growth for Athens. In Zlatanova S., Ledoux H., Fendel E., Rumor M. (eds) *Urban and Regional Data Management; UDMS Annual 2011* 193-200, Taylor and Francis Group, London, UK.
- Prastacos, P., Chrysoulakis, N., Kogxylakis, G., 2011. Urban Atlas, land use modelling and spatial metric techniques. *Proceedings 51st Congress of the European Regional Science International*, Barcelona, Spain.
- Mantelas, L., Hatzichristos, T., Prastacos P., 2010. A Fuzzy Cellular Automata Modelling Approach – Accessing Urban Growth Dynamics in Linguistic Terms. In Taniar, D., Gervasi, O., Murgante, B., Pardede, E., Apduhan, B.O. (Eds.) *Lecture Notes in Computer Science, Theoretical Computer Science and General Issues, Computational Science and Its Applications - ICCSA*, vol. 6016, 140-151, Springer-Verlag Berlin Heidelberg.
- Pistolla, G., Prastacos, P., Vassilaki, M., Philalithis, A., 2010. Spatial – mathematic methods for analysis of indicators of mortality. *International Journal of Advanced Engineering Sciences and Technologies*, (1) 2, 135-146.
- Kamarianakis, Y., Gao, H., Prastacos, P., 2010. Characterizing regimes in daily cycles of urban traffic using smooth-transition regressions. *Transportation Research Part C: Emerging Technologies*, 18, 821-840.
- Tomai, E., Herlin, I., Berroir J.-P., Prastacos, P., 2009. Ontology-based documentation of land degradation assessment from satellite images. *International Journal of Remote Sensing* 30 (13), 3315-3330.
- Mantelas, E., Hatzichristos, T., Prastacos, P., 2008. Modelling Urban Growth Using Fuzzy Cellular Automata. In *Proceedings of the 11th Agile Conference*, Girona, Spain, May, 2008.
- Stefanakis, E., Prastacos, P., 2008. Development of a Coastal SDI Using GeoFOSS. *Proceedings 11th AGILE Conference*, Girona, Catalonia, Spain, May 2008.
- Yahia, H., Turiel, A., Chrysoulakis, N., Grazzini, J., Prastacos, P., Herlin, I., 2008. Application of the multifractal microcanonical formalism to the detection of fire plumes in NOAA-AVHRR data. *International Journal of Remote Sensing*, 29 (14), 4189-4205.
- Stefanakis, E., Prastacos, P., 2008. Development of an open source based spatial data infrastructure. *Applied GIS Journal*, 4 (4), 1-26.

- Chrysoulakis, N., Herlin, I., Prastacos, P., Yahia, H., Grazzini, J., Cartalis, C., 2007. An improved algorithm for the detection of plumes caused by natural or technological hazards using AVHRR imagery. *Remote Sensing of Environment*, 108, 393-406.
- Salah, A. B., Kamarianakis, Y., Chlif, S., Alaya, N., Prastacos, P. 2007. Zoonotic cutaneous leishmaniasis in central Tunisia: spatio-temporal dynamics. *International Journal of Epidemiology*, 36 (5), 991-1000.
- Prastacos, P., Kamarianakis, Y., 2007. Statistical models for urban traveler information and traffic management systems. *ERCIM NEWS*, 68, 32-33.
- Mandelas, E., Hatzichristos, T, Prastacos, P., 2007. A Fuzzy Cellular Automata Based Shell for Modeling Urban Growth – A Pilot Application in Mesogia Area. *Proceedings of the 10th Agile Conference*, Aalborg, Denmark May, 2007.
- Konstantoulas, I., Prastacos P., 2007. A Map Matching Algorithm for Car Navigation Systems with GPS Input. *Proceedings of the 10th Agile Conference*, Aalborg, Denmark May, 2007.
- Kamarianakis, Y., Prastacos, P., Ben Salah, A., Schlif S. Ben Alaya N., 2007. Risk maps for Leishmaniasis in Central Tunisia. *Proceedings of the 10th Agile Conference*, Aalborg, Denmark May, 2007.
- Stefanakis, E., Prastacos, P., 2007. Semantic-based spatial information infrastructures: Integrating data and services into a single collection. *Proceedings of the 23rd International Cartographic Conference*, Moscow, Russia, August 2007.
- Tomai E., Prastacos P., Kavouras M.. 2007. A Framework for Intensional and Extensional Integration of Geographic Ontologies. *Transactions in GIS*, 11 (6), 873-887.
- Tomai, E., Michael, S., Prastacos, P., 2006. An Ontology-based Web-portal for Tourism. 2nd International Workshop on Web Portal-based Solutions for Tourism and other business areas, Münster, Germany, September 20, 2006.
- Tomai, E., Prastacos, P., 2006. A framework for intensional and extensional integration of geographic ontologies. *Proceedings of the 9th Agile Conference*, Visegrad, Hungary May, 2008.
- Kamarianakis, Y., Kanas, A., Prastacos, P., 2005. Modeling traffic volatility dynamics in an urban network. *Transportation Research Record: Journal of the Transportation Research Board*, 1923. 18-27.
- Bloquet, S., Faiget, L., Aujard, C., Vallet, J., Prastacos, P., Vincent, B., Champelovier, P., 2005. Gipsynoise: A GIS tool adapted to the European Directive on Assessment and Management of Environmental Noise 2002/49/CE- Demonstrative Tool. *Proceedings International Congress and Exposition on Noise Control Engineering*, Rio de Janeiro, Brazil.
- Kamarianakis, Y., Prastacos, P., 2005. Space time modeling of traffic flow. *Computers & Geosciences* 31, 119-133.
- Kamarianakis, Y., Prastacos, P., 2005. Spatial Time-Series Modeling: A review of the proposed methodologies, In Toppen, F., Painho, M., (eds) *Proceedings of the 8th AGILE Conference on Geographic Information Science*, Universidade Nova de Lisboa, Lisboa, Portugal, 167-176.
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- Chrysoulakis, N., Kamarianakis, Y., Farsari, Y., Diamandakis, M., Prastacos, P., 2004. GIS-based estimation of Urban Growth Models and Definition of Sustainable Urban Indicators with the use of satellite and socio-economic data. *Proceedings of 3rd Pan-Hellenic Conference of GIS applications HellasGIS*, Athens, Greece, (in Greek).
- Toppen, F., Prastacos, P., (eds), 2004. *Proceedings of the 7th AGILE Conference on Geographic Information Science*, University of Crete Press, Heraklion, Greece.
- Chrysoulakis, N., Diamandakis, M., Prastacos, P., 2004. GIS based estimation and mapping of local level daily irradiation on inclined surfaces. In Toppen, F., Prastacos, P. (eds) *Proceedings of the 7th AGILE Conference on Geographic Information Science*, University of Crete Press, Heraklion, Greece, 587-597.
- Prastacos, P., Prinnet V., 2004. ANFAS: A Decision Support System for Simulating River Floods. In Toppen, F., Prastacos, P. (eds) *Proceedings of the 7th AGILE Conference on Geographic Information Science*, University of Crete Press, Heraklion, Greece, 63-72.
- Blecic, I., Cecchini, A., Prastacos, P., Trunfio, G., Verigos, E., 2004. Modelling Urban Dynamics with Cellular Automata: A Model of the City of Heraklion. In Toppen, F., Prastacos, P. (eds) *Proceedings of the 7th AGILE Conference on Geographic Information Science*, University of Crete Press, Heraklion, Greece, 313-323.
- Kotzinos, D., Prastacos P., 2004. Use of a Web –Based GIS for a Real-Time Traffic Information Fusion and Presentation over the Internet. In Toppen, F., Prastacos, P. (eds) *Proceedings of the 7th AGILE Conference on Geographic Information Science*, University of Crete Press, Heraklion, Greece, 819-824.
- Prastacos P., Cortes U., de Leon, J.L.D., Murillo, M., (eds), 2004. *e-Environment: Progress and Challenges*, Instituto Politecnico Nacional, Mexico.
- Prastacos, P., Castaings, W., Courtois, N., Hluchy, L., Houdry, P., Tran, V., 2004. ANFAS: A decision support system for flood risk assessment. In Prastacos P., Cortes U., de Leon, J.L.D and M. Murillo (eds) *e-Environment: Progress and Challenges*, Instituto Politecnico Nacional, Mexico.
- Kamarianakis, Y., Prastacos, P., 2003. Forecasting traffic flow conditions in an urban network: Comparison of multivariate and univariate approaches. *Transportation Research Record-Journal of the Transportation Research Board*, No. 1857, 74-84.
- Farsari, Y., Prastacos, P., Butler, R., 2003. Policy and implementation issues of sustainable tourism in the Mediterranean. CD-ROM *Proceedings of the 2nd International Scientific Conference on 'Sustainable Tourism Development and the Environment'*, University of the Aegean, Chios Island.
- Farsari, Y., Prastacos, P., 2003. Towards a framework for establishing policy goals for sustainable tourism in Mediterranean Popular destinations. In Beriatos, E., Brebbia, C.A., Coccossis, H., Kungolos, A. (eds.) *Sustainable Planning and Development*, WIT Press, UK, 441-451.
- Chrysoulakis, N., Diamandakis, M., Prastacos, P., 2003. GIS Integration of ASTER stereo imagery for the support of Watershed Management. In Lekkas, T.D. (ed), *Proceedings of the 8th International Conference on Environmental Science and Technology*, 111 – 118.
- Kamarianakis, Y., Prastacos, P., 2002. Classification of the municipalities of Greece according to their socio-economic characteristics. In Kotzamanis, B., Pappas, V. (eds) *Spatial Dimensions of Demographic Events*, 187-208, (in Greek)
- Farsari, Y. Prastacos, P., Manioudakis, N., 2002. Demographic and social characteristics of the labor market in the Greek regions. In Kotzamanis, B, Pappas, V. (eds) *Spatial Dimensions of Demographic Events*, 497-521, (in Greek).

- Prastacos, P., Prinnet, V., Houdry, P., 2002. ANFAS, A decision support system for river floods. *Proceedings of Second Hellenic Conference of GIS applications Hellasgis Athens* (in Greek).
- Vazouras, C., Kogxylakis, G., Prastacos, P., 2002. Health Map: A GIS system for monitoring public health and decision making. *Proceedings of Second Hellenic Conference of GIS applications HellasGIS, Athens*, (in Greek).
- Spanaki, M., Kotzinos, D., Prastacos, P., Tsoulos, L., 2002. Use of GML for applications of GIS on the web. *Proceedings of Second Hellenic Conference of GIS applications held in Athens, February 28-March 1, 2002, HellasGIS*, (in Greek).
- Pappas, V., Kotzamanis, B., Prastacos, P., Tsatsaris, A., Sidiropoulos, G., 2002. Digital web atlas of Greece. *Proceedings of Second Hellenic Conference of GIS applications HellasGIS, Athens, Greece* (in Greek).
- Kamarianakis, Y., Prastacos, P., 2002. Development of traffic flow models using space time models. *Proceedings of Second Hellenic Conference of GIS applications HellasGIS, Athens, Greece* (in Greek).
- Chrysoulakis N., Prastacos P., 2002. Development of a Decision Support System for Technological Risk Management with the combined use of Remote Sensing and GIS. In: Pillmann, W. Tochtermann, K. (eds), *Proceedings of 16th International Conference: Informatics for Environmental Protection - Environmental Communication in the Information Society*, Vienna University of Technology, vol. 2, 214-217.
- Diamandakis, M., Prastacos, P., 2002. Flood-View: A library of GIS procedures for visualizing flood model results, In: Pillmann, W. and Tochtermann, K. (Eds), *Proceedings of 16th International Conference: Informatics for Environmental Protection - Environmental Communication in the Information Society*, Vienna University of Technology, vol. 1, 611-618.
- Prastacos, P., 2001. Architectures for distributed information systems for water resources management. *Systems Analysis Modelling and Simulation*, 41 (1), 123-148.
- Farsari, Y., Prastacos, P., 2001. Sustainable tourism indicators for Mediterranean established destinations. *Tourism Today*, 1 (1), 103-121.
- Farsari, Y., Prastacos, P., 2001. Indicators as a tool for sustainable tourism development: Pilot application in the Municipality of Hersonissos. *Touristiki Agora* (in Greek)
- Kotzinos, D., Prastacos, P., 2001. GAEA, Java-based applet for performing GIS on the web. *Systems Analysis Modelling and Simulation*, 41 (4), 593-606.
- Dabaghi, F, Ouazar, D., Prastacos P., 2001. ESIMEAU, Integrated information system for modeling and management of water resources: concepts and architecture. *Systems Analysis Modelling and Simulation* 41 (4), 669-688.
- Kamarianakis, Y., Prastacos P., 2001. Multivariate hierarchical Bayesian space-time models in economics in *ETK-NTTS 2001 Proceedings New Techniques and Technologies for Statistics*, 503-514, Eurostat.
- Prastacos, P., Diamandakis, M., 2000. Applying GIS technology in operational urban models in Fotheringham, A.S., Wegener, M. (eds) *Spatial Models and GIS; New Potential and New Models*, 223-234, Taylor and Francis.
- Prastacos, P., 2000. Putting GIS on the Web: Internet solutions of GIS-providers in comparison. *Geo-Information-Systems*, 13 (1), 13-16.

- Kotzinos, D., Prastacos P., 1999. GAEA: A Java-based map applet. *Proceedings of TeleGeo '99 First International Workshop on Teleprocessing*, Lyon, France, 131-137.
- Prastacos, P., Kilimiris, A., Diamandakis M., 1999. Integrated geographical information systems for water resources. *Proceedings of Petra 99 Euro-Med Workshop, IT Applied to Natural Resources Management*, Petra, Jordan, 327-336.
- Diamandakis, M., Prastacos P., 1999. Design of a decision support system for waste collection in the city of Heraklion. *Proceedings of First Hellenic Conference of GIS applications HellasGIS*, Athens, Greece (in Greek).
- Prastacos, P., Kogxylakis, G., 1999. System "Phaethon" for the analysis of forest fires in Greece from 1983 to 1992. *Proceedings of First Hellenic Conference of GIS applications HellasGIS*, Athens, Greece (in Greek).
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- Prastacos, P., Farsari, Y., Manioudakis, N., Vazouras, C., 1999. An analysis of the labor markets of Crete. Report prepared for the Regional Government of Crete, (in Greek).
- Montanari, R., Kluzer, S., Prastacos, P., 1998. TEMISIA: An on-line tool to explore industrial location opportunities across Europe. *Geo Information-Systems*, 11 (3), 7-12.
- Stamou, N., Kalabokidis, K., Konstantinidis, P., Fotiou, S., Christodoulou, A., Blioumis, V., Prastacos, P., Diamandakis, M., Kogxylakis, G., 1998. Improving the efficiency of the wildland fire prevention and suppression system in Greece, in *Proceedings 3rd International Conference on Forest Fire Research and 14th Conference on Fire and Forest Meteorology*, Luso-Coimbra, Portugal, ADAI, University of Coimbra, Portugal, 203-221.
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- Prastacos, P., Diamandakis, M., Loulakis, N., Kotzinos, D., 1994. *Aquabank, Information System for Accessing Information for the Greek Aquaculture*. Final report for the STRIDE project (in Greek)
- Saris, W., Prastacos, P., Marti-Recober, M., 1993. *CASIP, A Complete Automated System for Information Processing in family budget research*. NIMMO, Amsterdam.
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- Prastacos, P., Diamandakis, M., 1992. *MiDaS, Microdata Database System for Family Budget Research*. Working Paper, Institute of Applied Mathematics, FORTH, Crete.
- Saris, W., Prastacos, P., Marti-Recober, M., 1992. *CASIP, A complete automated system for information processing in family budget research*, in *Proceedings: New Techniques and Technologies for Statistics*, EUROSTAT, Bonn.
- Prastacos, P., Diamandakis, M., Kilimiris, A., 1992. Decision support systems for environmental planning. *Proceedings of 2nd Arc/Info Users Meeting*, Athens, Greece (in Greek)
- Prastacos, P., 1992. Integrating GIS technology in urban transportation planning and modeling. *Transportation Research Record*, 1305, 123-130.

- Prastacos, P., Paraschis, J., 1991. A GIS based decision support system for transportation logistics. *Proceedings, Second European Conference on Geographical Information Systems*, Brussels, Belgium, 904-911.
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- Prastacos, P., Karjalainen, P., 1990. An Information System for Analyzing Census Data on Microcomputers, *Ekistics*, 262-266.
- Prastacos, P., Karjalainen, P., 1990. Intelligent information systems for accessing planning databases; the San Francisco experience. In Scholten, H., Stillwell, J. (eds), *Geographical Information Systems and Urban and Regional Planning*, Kluwer Academic Press, Amsterdam.
- Prastacos, P., 1989. Potential Applications of Expert System Techniques in Statistics. In *Proceedings: Seminar on the Development of Statistical Expert Systems*, Statistical Office of the European Communities, EUROSTAT.
- Karjalainen, P., Prastacos, P., 1988. Integrating database management systems with mapping packages, *Proceedings of the 1988 California Mapping Conference*, San Jose, USA, 37-41.
- Prastacos, P., Romanos, M., 1987. A multiregional optimization model for allocating transportation investments. *Transportation Research B*, vol. 21B, (2), 133-148.
- Prastacos, P., 1986. An Integrated Land Use - Transportation Model for the San Francisco Region: 1. Design and Mathematical Structure. *Environment and Planning A*, 18 (3), 307-322.
- Prastacos, P., 1986. An Integrated Land Use - Transportation Model for the San Francisco Region: 2. Empirical Estimation. *Environment and Planning A*, 18 (4), 511-528.
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- Prastacos, P., Brady, R., 1985. Industrial and spatial interdependency in modeling: an employment forecasting model for the counties in the San Francisco Bay Region. *The Annals of Regional Science*, 19 (2), 17-28.
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- Prastacos, P. 1985. Urban development models for the San Francisco Region; from PLUM to POLIS. *Transportation Research Record*, 1046, 37-44.
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- Romanos, M. , Hatmaker, M., Prastacos P., 1981. Transportation Energy Conservation and Metropolitan Growth. *Transportation Research A*, 15 (3), 215-222.
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Presentations at Conferences

- 2018 - Urban Mobility conference 2018, Skiathos, Greece
- 2016 - 19th Agile Conference, Helsinki, Finland
 - 24th National Arc/Info User's Meeting, Athens, Greece
 - 4th International Conference of Remote Sensing, Paphos, Cyprus
- 2015 - 4th National Conference on Regional and Urban Planning, Volos, Greece
- 2014 - 61st Annual North American Meeting of the RSAI, Washington, D.C., USA
 - 17th Agile Conference, Castellon, Spain
- 2012 - University of Thessaly, Volos, Greece
 - 3rd National Conference on Regional and Urban Planning, Volos, Greece
 - 15th Agile Conference, Avignon, France
- 2011 - 28th Urban Data Management Symposium, Delft, The Netherlands
 - 14th Agile Conference, Utrecht, The Netherlands
 - 51st Congress of the European Regional Science International, Barcelona, Spain
 - Greek-German Workshop on Innovation in the context of cooperation with Western Balkan Countries, CERTH, Thessaloniki, Greece
 - TEI Serron, Serres, Greece
- 2008 - 11th Agile Conference, Girona, Spain
 - Fifth bi-annual Conference of HellasGIS, Athens, Greece
- 2007 - 10th Agile Conference, Aalborg, Denmark
 - Education and GIS in Greece, Harokopioion U., Athens, Greece
- 2006 - 9th Agile Conference, Budapest, Hungary
 - Fourth bi-annual Conference of HellasGIS, Athens, Greece
 - Transportation Research Board, Washington D.C., USA (attendance)
- 2005 - Transportation Research Board, Washington D.C., USA (attendance)
 - 8th Agile Conference, Lisbon, Portugal
 - Internoise Conference, Rio de Janeiro, Brazil
- 2004 - Transportation Research Board, Washington D.C., USA (attendance)
 - Third bi-annual Conference of HellasGIS, Athens, Greece
 - 7th Agile Conference, Heraklion, Greece
 - EU-LAT workshop on e-Environment, San Jose, Costa Rica
- 2003 - Transportation Research Board, Washington D.C., USA (attendance)
 - 50th Annual Regional Science Association International, Philadelphia, USA
- *2002 - Second bi-annual Conference of HellasGIS, Athens, Greece
 - Euro-China Co-operation Forum on the Information Society, Beijing, China
 - European Regional Science Association, Dortmund, Germany
 - Enviro-Info Conference, Vienna, Austria
- 2001 - First workshop on applications of GIS in water resources, Nanzing, China
 - HellasGIS workshop on "GIS and the Internet", Athens, Greece
- 2000 - Symposium on Mathematical Methods for Environmental Problems, Hangtzu, China
 - Hellenic conference on Operations Research, Athens, Greece
- 1999 - Petra 99 Euro-Med Workshop, IT Applied to Natural Resources Management, Petra, Jordan
 - First bi-annual Conference of HellasGIS, Athens, Greece
- 1998 - Transportation Research Board, Washington D.C., USA

- Hellenic Informatics Conference, Athens, USA
- 1997 - Third National Meeting of the Greek Regional Science Association, Athens, Greece
- GISDATA Conference on GIS research at the Millenium, Le Bischenberg, France
- Data Warehouse Conference, San Jose, USA
- 1996 - Milia '96, Cannes, France
- Geoinformatics Center, Stockholm, Sweden
- 1995 - GISDATA Conference on Applications of GIS techniques on Urban Modeling
Stockholm, Sweden
- Arc/Info User's Meeting, Palm Springs, USA (attendance)
- 1994 - Second National Meeting of the Greek Regional Science Association, Volos, Greece
- Fourth National Arc/Info User's Meeting, Athens, Greece
- KTH Royal Institute of Technology, Stockholm, Sweden
- 1993 - Transportation Research Board, Washington D.C., USA
- First National Meeting of the Greek Regional Science Association, Athens, Greece
- European Arc/Info User's Meeting, Athens, Greece
- Arc/Info User's Meeting, Palm Springs, USA (attendance)
- 1992 - Transportation Research Board, Washington, D.C., USA
- New Techniques and Technologies for Statistics, Bonn, Germany
- GPS/GIS Second International Conference, Newport Beach, USA
- Second Greek Arc/Info User's Meeting, Athens, Greece
- 1991 - Second European GIS Conference, Brussels, Belgium
- 1990 - First European GIS Conference, Amsterdam, The Netherlands
- 3rd URSA-NET Workshop, Patras, Greece
- 1989 - GIS '89 Workshop, Amsterdam, The Netherlands
- 1987 - Transportation Research Board, Washington, D.C., USA
- European Meetings of the Regional Science Association, Athens, Greece
- GIS (Geographical Information Systems) '87, San Francisco, USA
- Seminar on the Development of Statistical Expert Systems, Luxembourg, Luxembourg
- 1986 - Dept. of Spatial Economics, Free University, Amsterdam, The Netherlands
- 1985 - Transportation Research Board, Washington, D.C., USA
- National Conf. on "Microcomputers in Transportation", San Diego, USA
- 1984 - Department of Economics, University of California at Berkeley, Berkley, USA
- 1983 - Regional Science Association, Chicago, USA
- 1982 - Western Regional Science Association, Santa Barbara, USA
- Stanford University, Department of Civil Engineering, Palo Alto, USA
- 1981 - Transportation Research Board, Washington, D.C., USA
- 1980 - Transportation Research Board, Washington D.C., USA
- Western Regional Science Association, Newport, USA
- 1979 - Western Regional Science Association, San Diego, USA
- Regional Science Association, Los Angeles, USA

Professional Memberships, organization of conferences

Member of the scientific committee of conferences/workshops

- AGILE (Association of GIS Laboratories in Europe), annual conferences (2004-2017)
- Hellasgi, bi-annual conference (1998-2006)
- Scientific coordinator of EU-LAT, Workshop on e-Environment, San Jose, Costa Rica, 2004
- Scientific coordinator of the AGILE conference in 2004

Member of professional organizations

- Transportation Research Board of the Academy of Sciences, Land development committee, appointed member 1985-2005, member emeritus since 2006
- Regional Science Association, USA (1980-2005)
- HellasGIS, president 2003-04, Member of the board 1998-2002
- AGILE (Association of GIS Laboratories in Europe), elected member of the council 2008-2012

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