

	SCHOOL OF SPATIAL PLANNING AND DEVELOPMENT FACULTY OF ENGINEERING ARISTOTLE UNIVERSITY OF THESSALONIKI
	Name: Apostolos Papagiannakis
	Position: Assistant Professor
Discipline: Transport systems planning	

Studies

Post-Doctorat en Aide Multicritère à la Décision, LAMSADE - Laboratoire d'Analyse et Modélisation de Systèmes pour l'Aide à la Décision, Université Paris IX (1996).

Doctorat en Modélisation des Transports, Institut National Agronomique & Régie Autonome des Transport Parisiens, Paris (1994).

D.E.A. de Statistiques Appliquées, Institut National Agronomique, Paris (1989).

University Degree in Applied Mathematics, Aristotle University of Thessaloniki (1986).

Areas of Expertise

Key words: Transport policy and planning, Transport systems analysis, Mobility management, Urban public transport, Transport networks and land use modelling.

Description: Transport strategy and policy for sustainable mobility, Integrated urban and transport planning, Land use and transport network interactions, Statistical, econometric and GIS applications for transport data analysis, Transport project multi-criteria evaluation and feasibility studies.

Academic Experience

Undergraduate courses

2012-today: Assistant Professor of Transport Planning in AUTH.

- Transport systems planning (3-hours theory compulsory module, 4th semester).
- From Urban planning to Urban design (6-hours studio module, 4th semester).
- Urban Transport Planning (3-hours theory compulsory module, 5th semester).
- Transport modeling and engineering (4-hours laboratory studio, 6th semester).
- Transport economics and policy (3-hours theory optional module, 7th semester).

2002-2011: Adjunct Faculty Member

- School of Spatial Planning and Development, AUTH (2006-2011).
- School of Civil Engineering, University of Thessaly (2002-2011).
- Department of Business Administration, University of Macedonia (2004 - 2006).
- Faculty of Administration and Economics, Technological Educational Institute of Central Macedonia (2003-2009).

Postgraduate courses & seminars

2010-2011: «Quantitative methods in decision making», Master in Business Administration, Technological Educational Institute of Central Macedonia.

- 2005-2006: «Decision support systems architecture in transport planning», Master in Advanced Informatics Systems, University of Piraeus.
- 2003-2004: «Spatial data analysis & operational research fundamentals» & «Transport systems and infrastructures evaluation», Master in Planning, Organization and Management of Transport Systems, Aristotle University of Thessaloniki.
- 2006-2007: «Urban traffic management», «Intelligent transport systems», «Public transport network quality of service assessment» in Training seminars for public sector employees, National Centre of Public Administration and Local Government.

Supervision of diploma thesis: Over 40 diploma thesis (2012-2017).

Professional Experience

- 2002-2008 **SASTH - Public Transport Authority of Thessaloniki**
Function: Associate scientist
Key words: Planning, Organization and Management of Public transport systems.
- 1999-2002 **TRUTH S.A. - Transportation Planning & Engineering Dept.**
Function: Associate scientist and Head of Transportation Planning & Engineering Dept (from 2000)
Key words: Project management and development in the fields of Public transport networks, Transport policy and planning, Traffic engineering, DSS, Feasibility studies.
- 1995-1997 **LAMSADE – Centre National de Recherche Scientifique**
Function: Research fellow
Key words: Public transport networks, GIS, Land use, Spatial analysis, Location, Traffic engineering, Relational databases, Statistical modelling, Data analysis, Multi-criteria Decision Aid.
- 1989-1995 **RATP-Transport development department**
Function: Research fellow
Key words: Urban transport planning, Trips surveying, Transport Modelling, GIS, Statistical and spatial analysis

Selected Publications

PhD and master's thesis

Papagiannakis A., 1994. Autour d'un point du réseau ferroviaire parisien: Un modèle d'explication et de prévision du trafic journalier des stations et des gares de la RATP. Une classification hiérarchique des points du réseau", Doctorat en Modélisation des Transports, Institut National Agronomique & Régie Autonome des Transport Parisiens.

Papagiannakis A., 1989. "Une méthode de prévision: Analyse des séries chronologiques du trafic du réseau ferroviaire de la RATP", Mémoire de D.E.A., Institut National Agronomique Paris-Grignon.

Monographs

Papayannakis A., 1998. "Analyse spatiale et modélisation statistique du trafic du réseau autobus de la banlieue parisienne", Document du LAMSADE n° 106, Université Paris Dauphine, pp.1-64. ISSN 1769-7409.

Papayannakis A., 1995. "Une typologie: Les profils des stations et des gares du réseau ferroviaire de la RATP", Mission Prospective n° 106, Edition RATP, pp. 1-147.

Book chapters

Papagiannakis A., 2015. “Challenges for sustainable urban mobility: Necessity, directions and feasibility of a roadmap to ensure the right to move to the city”, Chapter in the collective volume *Spatial issues: Theories and methodologies for spatial planning and development*, Thessaloniki: Ziti Editions.

Scientific journals and conferences proceedings

Baraklianos I., Karagouni K., **Papagiannakis A.**, 2018. “Measuring spatial accessibility of public transport: .The case of the new urban rail systems in the city of Thessaloniki, Greece”, Proceedings 4th Conference on Sustainable Urban Mobility - CSUM2018, Skiathos, Greece, 24-25 May 2018.

Tsiropoulos A., **Papagiannakis A.**, Latinopoulos D., 2018. “Development of an aggregate indicator for evaluating sustainable urban mobility in the city of Xanthi”, Proceedings 4th Conference on Sustainable Urban Mobility - CSUM2018, Skiathos, Greece, 24-25 May 2018.

Papagiannakis A., Yiannakou A., Pateraki D., 2017. “The renaissance of tramway as a challenge for Transit Oriented Development: A pilot project in the city of Thessaloniki”, *Proceedings of the International Conference on Changing Cities III: Spatial, Design, Landscape & Socio-economic Dimensions*, Syros, Greece, June 26-30, 2017, Thessaloniki: Grafima Publications, pp. 1357-1369. ISBN: 978-618-5271-12-1.

Aggelidou T. V., **Papagiannakis A.**, 2017. “Bicycle master plan in the municipality of Thessaloniki: Investigation for integrating cycling in urban areas”, *Proceedings 8th International Congress on Transportation Research*, Thessaloniki, 27-29 September 2017.

Limnios Ch., **Papagiannakis A.**, Genitsaris E., Naniopoulos A., 2017. “Investigation for the development of a flexible passenger transport service in the semi-mountainous settlements of Thassos”, *Proceedings 8th International Congress on Transportation Research*, Thessaloniki, 27-29 September 2017.

Papagiannakis A., Baraklianos G., Spyridonidou A., 2018. “Urban travel behavior and household income in times of economic crisis: Challenges and perspectives for sustainable mobility”, *Transport Policy*, Vol. 65, pp. 51-60, ISSN 0967-070X, DOI: /10.1016/j.tranpol.2016.12.006.

Papagiannakis A., Vitopoulou A., 2015. “An urban strategy in time of crisis: Mobility management and low-cost public space design”, *Spatium*, No. 33, June 2015, pp.1-7. ISSN 1450-569X, DOI: 10.2298/SPAT1533001P.

Papagiannakis A., Baraklianos G., Spyridonidou A., 2015. “Impacts of the economic crisis on modal choice and trip frequency of urban transport system”, *Proceedings 7th International Congress on Transportation Research*, Athens, 5-6 November 2015.

Magoulios G., **Papagiannakis A.**, Mantzaris J., 2014. “The Business Cooperation in the Serres - Bulgaria Region and Consequences of Bulgaria's Accession to the EU”, *Journal of Business and Economics (USA)*, Volume 5, No. 5, pp. 657-673. ISSN 2155-7950, DOI: 10.15341/jbe(2155-7950)/05.05.2014/005.

Papagiannakis A., Tsamtzi D., 2013. “In search of sustainable urban mobility: The Citizens' opinion on key elements of a sustainable urban transport plan for Thessaloniki”, *Proceedings of 6th International Conference on Transport Research*, Institute of Transportation Engineers, Thessaloniki, 17-18 October 2013, pp. 108-123.

Tsamtzi D., **Papagiannakis A.**, 2013. “Reclaiming city streets for people: Sustainable urban mobility plan for Thessaloniki”, *Proceedings 1st International Conference on Changing Cities: Spatial, Morphological, Formal & Socio-economic Dimensions*, Skiathos island, Greece, 18-21 June 2013, Thessaloniki: Grafima Publications, pp. 2379-2388. ISBN 978-960-6865-65-7.

Magoulios G., Notopoulos P., **Papagiannakis A.**, 2012. “The border regions and the transfrontier cooperation between Greece - Bulgaria in the area of Serres”, *Proceedings 12th*

- International Conference on Regional Economic Development*, Thessaloniki, Greece, 11-13 October 2012, CD-ROM, Economic Society of Thessaloniki, pp. 1-20.
- Athanassiou E., Vitopoulou A., Karadimou-Gerolibou A., **Papagiannakis A.**, Christodoulou Ch, 2012. "From iconic to pragmatic: Praxis of urban design for everyday life", *3rd National Conference of Planning and Regional Development*, Volos, 27-30 September 2012, Thessaloniki: Grafima Publications, pp. 651-656, ISBN-978-960-6865-52-7.
- Papagiannakis A.**, Tsamtzi D., 2012. "Utopia or Dystopia: The future city in the utopian theory, in the science fiction cinematography and in the contemporary reality", *3rd National Conference of Planning and Regional Development*, Volos, 27-30 September 2012, Thessaloniki: Grafima Publications, pp. 606-613, ISBN-978-960-6865-52-7.
- Papagiannakis A.**, Tsami M., 2012. "Enhance Accessibility in Traditional Districts: A case study of the "Upper Town" of Thessaloniki", *Procedia - Social and Behavioral Sciences*, Volume 48, pp. 3317–3327. ISSN 1877-0428, DOI:10.1016/j.sbspro.2012.06.1297
- Papagiannakis A.**, G.Papagiannis, 2011. "Thessaloniki, a car free city. Regaining the urban public realm", *Proceedings of the Conference "Public space"*, Thessaloniki, 20-22 October 2011, Technical Chamber of Greece & Cannot Not Design Publication: Thessaloniki, σελ. 361-364. ISBN 978-960-88610-7-7.
- Papayannakis A.**, 2008. "Measuring the effects of land use and public transport systems on urban travel demand: The Paris and Thessaloniki case studies", *Proceedings 10th International Conference on Application of Advanced Technologies in Transportation*, Vol. 6, Athens, 28-30 May 2008, Curran Associates Inc : New York, pp. 4999-5013. ISBN: 978-1-61738-831-6.
- Papagiannakis A.**, 2008. "On board passenger survey on public bus route connecting Thessaloniki suburbs", *Proceedings 4th International Congress on Transportation Research in Greece*, Athens, 28-30 May 2008, pp. 159-168.
- Vlahodimitropoulos P., **Papagiannakis A.**, Papadopoulos S., Chatzigeorgiou Ch., 2007. "Planning and organization of a combined public transportation system for the metropolitan Thessaloniki area", *Technika Chronika*, Bimonthly Edition TCG, July-August 2007, pp. 1-41 (in Greek). ISSN 0376-2211.
- Tyrinopoulos I., Aifandopoulou G., **Papagiannakis A.**, Toskas I., 2006. "An integrated quality control system for the public transport services in Thessaloniki", *Proceedings 4th International Congress on Transportation Research in Greece*, Thessaloniki, 19-20 May 2006, pp. 273-282.
- Vlahodimitropoulos P., **Papagiannakis A.**, Papadopoulos S., Chatzigeorgiou Ch., 2005. "The urban transportation system of Thessaloniki", *Technika Chronika*, Bimonthly Edition TCG, Mars-Avril 2005, pp. 1-28 (in Greek). ISSN 0376-2211.
- Papagiannakis A.**, Giannopoulos G., Aifandopoulou G., 2004. "Disaggregate demand models for transport mode choice in Thessaloniki", *Technika Chronika*, Scientific Journal TCG, I, No 1, 2004, pp. 21-36 (in Greek). ISSN 1106-4935.
- Papayannakis A.**, Tsoukias A., Despotis D., Pachinis Th., 2002. "Evaluation model for the scenario comparison module of the DSS "ΣΕΘΑΜ"", *Proceedings 6th Balkan Conference on Operational Research*, Thessaloniki, 22-25 May 2002, CD-ROM, HELORS, pp. 1-13.
- Mousiopoulos M., Turlou P., Arvanitis Th., **Papagiannakis A.**, 2002. "Models development for the prediction and management of air quality in Thessaloniki – Application for alternative transportation scenarios", *Proceedings 1st Environmental Conference*, Thessaloniki: Association of Greek Chemist Edition, pp. 46-51 (in Greek) ISBN 260-7380-05-3.
- Tsoukias A., **Papagiannakis A.**, 2002. "A real case study on transportation scenario comparison", *Yugoslav Journal of Operations Research*, Vol 12, pp. 85-108, ISSN 0354-0243, DOI:10.2298/YJOR0201085T.
- Giannopoulos G., Aifantopoulou G., **Papagiannakis A.**, 2001. "The coastal shipping system in Greece: Current situation and projects after its full liberalization in 2002", *Proceedings 3th*

Selected Research Project

- 2014-2015: «The impact of the economic crisis on urban mobility behavior in the historic center of Thessaloniki», Research Committee of Aristotle University of Thessaloniki (scientific and project coordinator).
- 2012-2013: «Strategic transportation planning for sustainable mobility in West Athens», Development Association of West Attica Municipalities/University of Thessaly/Aristotle University of Thessaloniki (research team member).
- 2012-2013: «The economic cooperation between Greece and Bulgaria and the impact assessment on the Serres area from the Bulgaria entry into the European Union», Archimedes III Research National Programme / TEI Serres (work package coordinator).
- 2012-2013: «OPTIMISM-Optimising Passenger Transport Systems», 7th research framework program of European Commission (invited expert).
- 2010-2011: «REACT-Supporting research on climate friendly transport», 7th research framework program of European commission (invited expert).
- 2007-2008: MOBINET-Mobility Centres Network / INTELLIGENT ENERGY FOR EUROPE PROGRAMME - «Implementation of Operational plan for Mobility Centre and Transport Information point», ANATOLIKI S.A. / Public Transport Authority of Thessaloniki (SASTH) / Municipality of Kalamaria (lead partner).
- 2006-2007: «Older people and public transport-Challenges and chances of an Ageing society» / European Metropolitan Transport Authorities Project, Public Transport Authority of Thessaloniki (lead partner).
- 2005-2006: SUNRISE / INTERREG IIIC - «Cohésion social dans les zones urbaines/rurales basée sur services collectifs de mobilité innovateurs et durables», Aristotle University of Thessaloniki & Public Transport Authority of Thessaloniki (research team member).
- 2002-2004: IMAGE - «Intelligent Mobility Agent for Complex Geographic Environments» / European Union research project DG XIII, TRUTH S.A Consultants (research team member).
- 2001-2002: SUTRA - ENERGY, ENVIRONMENT AND SUSTAINABLE DEVELOPMENT EU PROGRAMME – «Sustainable Urban Transportation», TRUTH S.A Consultants (research team member).
- 2000-2003:TRAINER - «System for driver Training and Assessment using Interactive Evaluation tools and Reliable methodologies» / European Union research project DGXIII, TRUTH S.A Consultants (research team member).
- 1998-2000: COMMAN - «Communication Manager System for Data Exchange for ship Operations» / European Union research project DG XIII, TRUTH S.A Consultants (research team member).
- 1998-2000: INTACT - «Integrated Telematics for advanced Communication in Transport» / European Union research project DG XIII, TRUTH S.A Consultants (research team member).

Selected Studies

- «Design of a new public transport bus service in the Upper Town of Thessaloniki», Assigned by Public Transport Authority of Thessaloniki (2008).
- «Feasibility study for expanding the public transport bus network in Greater Thessaloniki», Assigned by Public Transport Authority of Thessaloniki (2003-2004).

- The General transportation and traffic study for the city of Veria», Assigned by Veria Municipality (2002).
- «Feasibility study of the vertical route axis connection between the Thessaloniki airport and the EGNATIA highway», Assigned by Egnatia Odos (2000-2001)
- «SETHAM - Development of a management system for National maritime transport in Greece». Assigned by the Greek Ministry of Maritime transport (2000-2002)
- «Feasibility study for the development of a combined transport system entitled Adriatic – Ionian Corridor». Assigned by the Greek Ministry of Transport (2000)
- «Master Plan study of Santorini Airport», Assigned by the Greek Ministry of Transport (2000)
- «The General transportation and traffic study for Greater Thessaloniki», Assigned by the Organisation for Master Plan and Environmental Protection of Thessaloniki (1998-2001).

Other Professional and Scientific Activities

Scientific committees, Peer-reviewing and working groups

- Scientific Committee and Reviewer at the International Interdisciplinary Conference «City under construction: Plans, Procedures and Practices for Thessaloniki» (Thessaloniki, 2018).
- Scientific Committee and Reviewer at the 5th Panhellenic Planning and Regional Development Conference (Volos, 2018).
- Scientific Committee and Reviewer at the 3rd International Changing Cities Conference (Skyros, Greece, 2017).
- Scientific Committee and Reviewer at the 7th International Congress on Transportation Research in Greece (Athens, 2015).
- Scientific Committee and Co-organizer of the Special Session «In search of sustainable urban mobility» at the 2nd International Changing Cities Conference (Porto Heli, Peloponnese, 2015).
- Scientific Committee at the «Tourism in local planning and development» Summer School, Co-organised by the School of Spatial Planning and Development of Aristotle University of Thessaloniki & Chiba University of Japan (Thessaloniki, 2014).
- Scientific Committee and Reviewer at the 6th Conference on Transport Research in Greece (Thessaloniki, 2013).
- Scientific Committee and Reviewer at the International Conference «Shaping climate friendly transport in Europe: Key findings and future direction» (Belgrade, 2011).
- Reviewer for the journal Aeihoros: Essays on Spatial Planning and Development (2018)
- Reviewer of research proposals in the framework of the operational program «Development of human resources, education and lifelong learning», ESPA (2017).
- Reviewer for the Energy Efficiency Journal, Springer Editions (2017).
- Reviewer for the European Journal of Environmental Sciences for the Special Issue on «Environmental planning, management and policies for cities and regions (2017).
- Reviewer of the 14th International Conference on Environmental Science and Technology, 3-5 September 2015, Rhodes, Greece (2015).
- Reviewer of the 8th IEEE Intelligent Transportation Systems Conference, 13-16 September 2005, Vienna (2005).
- Member of the Working Group of the Hellenic Institute of Transportation Engineers (SES) for the implementation of the Sustainable Urban Mobility Plans in Greece (2015).

- Member of the Working Group of the Municipality of Thessaloniki on "Sustainable Mobility" (2013-2014).
- Member of the Working Group of Public Transport Authority of Thessaloniki for the Green Paper of the European Commission «Towards a new culture for urban mobility» (2008) and for the formulation of the «Proposals (road map) for the development of suburban railway in the greater Thessaloniki area» (2005).

Prizes / Awards

- Distinction in the international architectural competition for the redesign of the Eleutherias Square in Thessaloniki, as a Transport Planner Advisor and participant in the winning team (2013).
- 3rd Prize at the Panhellenic architectural competition "Regeneration of Faliro area of Kavala" as a Transport Planner Advisor and participant in the winning team (2008).
- Scholarship of the French National Center of Scientific Research (CNRS) for post-doctoral studies (1996).
- Scholarship of the Greek State Scholarship Foundation for postgraduate studies in France (1987).

Scientific Association Membership

Member of the Hellenic Institute of Transportation Engineers.