

1. PERSONAL INFORMATION

Angelos Protopapas, Professor, Department of Civil Engineering, Democritus University of Thrace
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2. EDUCATION

- 1988 PhD, Civil Engineering, Massachusetts Institute of Technology, Thesis: *Stochastic Hydrologic Analysis of Soil-Crop-Climate Interactions*
- 1986 MS, Civil Engineering, Massachusetts Institute of Technology, Thesis: *A Model for Plant Growth and its Relation to Moisture and Solute Transport in the Soil*
- 1983 MS, Operations Research and Computer Science, University of Athens, Greece, Thesis: *Application of Nonparametric Models for Markov Chains to Streamflow Forecasting*
- 1981 Diploma, Civil Engineering, National Technical University of Athens, Greece, Thesis: *Water circulation and pollutant dispersion in Elefsina Bay*

3. AREA OF EXPERTISE

Prof. A. Protopapas has educational and professional experience in the analysis of environmental systems from an economic and managerial perspective. In recent years he has conducted research on internalization of environmental impacts in cost-benefit analyses of engineering projects and on the analysis, design and integrated management of environmental systems with emphasis on the application of operations research methods, systems approach and computer simulation.

5. FUNDED RESEARCH PROJECTS

A. Democritus University of Thrace – Department of Civil Engineering (as PI)

Code	Project Title	Funding	Period	Budget
1180	Implementation of Graduate Program “ <i>System Engineering & Management</i> ”	Graduate Student Tuition	2003-15	€647,870
81033	Ecolabeling Decision Support System	EU-Post Docs	2010-15	€124,985
1146	Operational Funding for Graduate Program “ <i>System Engineering & Management</i> ”	EU-Graduate studies	2003-08	€428,400
1108	Infrastructure for Graduate Program “ <i>System Engineering & Management</i> ”	EU-Structural funds	2003-06	€80,000
various	Other Projects related to software development for Analysis and Design of Environmental Engineering Projects	Internal Funds	2011-19	€144,608

B. Polytechnic University, New York (now NYU) (as PI)

Project Title	Funding	Period	Budget
Integrated decision-making for urban infrastructure performance (with I. Juran & J. Falcocchio)	National Science Foundation	1995-99	\$826,740
CSO's Abatement Technologies and Remote Monitoring And Control System for the Water Distribution Network	NYC Dept of Environmental Protection- Con Edison	1995-96	\$29,999
Multidimensional Flow and Transport in Unsaturated Heterogeneous Porous Media: Theory and Experiments	National Science Foundation	1994-97	\$222,369

Research and Site Characterization on Pennsylvania and Fountain Avenue Landfills in Jamaica Bay, New York	National Park Service	1992-94	\$90,000
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6. ACADEMIC PROFESSIONAL EXPERIENCE

- 2001-... Professor (prior to 2010 Associate Professor), Department of Civil Engineering, Democritus University of Thrace.
- 1997-2000 Assistant and since 1997 Associate Professor, Department of Civil and Environmental Engineering, Polytechnic University, Brooklyn, New York (now NYU)
- 1/88-9/88 Visiting Assistant Professor of Civil Engineering at Georgia Institute of Technology
Also taught courses at least for one semester as Visiting Professor at
- Cooper Union for the Advancement of Sciences, New York (1993)
 - University of Cyprus (2006 - 07)
 - Hellenic Open University (2005 - today)

7. ENGINEERING PROFESSIONAL EXPERIENCE

- 1988-90 Metcalf & Eddy, Inc., Wakefield, Massachusetts.
Senior engineer with the Environmental Quality Services group
- 1991 Registered Professional Engineer in New York (License No. 69754) and Massachusetts (License No. 35883).

8. ADMINISTRATIVE EXPERIENCE

- 2003-15 **Director** of Graduate Program “*System Engineering & Management*” offered jointly by the Departments of Civil Engineering, Electrical and Computer Engineering at D.U.Th. and the Department of Business Administration at University of Macedonia.
- 2010-12 **Director of Section of Mathematics and Programming**, Department of Civil Engineering, D.U.Th. (also 2003-05 and 2007-09)
- 2014-... **Director of Laboratory of Integrated Project Management**, Department of Civil Engineering, D.U.Th.

9. TEACHING EXPERIENCE

At the Democritus University of Thrace, Department of Civil Engineering (2001-17) he taught undergraduate courses in Operations Research, Environmental Management, Water Resources Management, Irrigation and Land Reclamation Projects, Probability – Statistics, Engineering Economics and graduate courses in Analysis and Modeling of Engineering Systems, Decision Making and Risk Analysis, Optimization of Engineering Systems, and Data Analysis for Environmental Systems. At Polytechnic University, New York (1990-2000) he taught undergraduate courses in Water Resources & Hydraulic Engineering, Fluid Mechanics, Measurements in Civil Engineering, and graduate courses in Hydrology, Groundwater Hydrology and Pollution, Advanced Groundwater Hydrology & Pollution, Analysis of Uncertainty in Civil Engineering, Analysis of Stream & Estuary Pollution, Optimization of Water Resource Systems. At the Hellenic Open University (2005-17) he taught a graduate course in Environmental Impacts and Methods for their Assessment.

He supervised at the Democritus University of Thrace 10 Diploma and 12 MS Theses, at the Hellenic Open University 24 Graduate Theses in “*Environmental Design of Cities and Buildings*” and 7 Graduate Theses in “*Environmental Design of Engineering Projects*”, and at Polytechnic University 27 MS Project Reports and 3 Doctoral Dissertations (PhD Theses).

10. PUBLICATIONS

1	Doctoral and MS Theses	4
2	Referreed Articles in International Journals	21
3	Articles in Referreed Specialized Conference Proceedings	15
4	Publications in Greek Journals	12
5	Books in Greek	3
6	Book Contributions	2
7	Other Publications	5

Indicative publications

1. Keramitsoglou K.M., Mylonopoulou E.M. Georgiou V.I., Protopapas A.L., & Tsagarakis K.P. (2017) Unification of archaeological sites in Greece: a design approach based on public participation and sustainability criteria, *Current Urban Studies*, Vol. 5, p. 236-274.
2. Kouloura T.C., K.N. Genikomsakis, and A.L. Protopapas (2008), Energy Management in Buildings: A Systems Approach, *Systems Engineering*, Volume 11(3), p. 263-275.
3. Chatzikosma D., F. Tsagas, A. Chasapopoulou, A. L. Protopapas, E. Zagorianakos (2006), Assessment of Options for Sustainable Management of Psittalia's Wastewater Sludge, *Transactions on Environment and Development*, Vol. 2(5), p. 667 -676.
4. Maloof S. and A. Protopapas (2001), New parameters for the solution of the two-well dispersion problem, *ASCE Journal of Hydrologic Engineering*, Vol. 6(2), p. 167-171.
5. Dillah D. and A. Protopapas (2000), Uncertainty propagation in layered unsaturated soils, *Transport in Porous Media*, 38(3), p. 273-290.
6. Protopapas A. (1999), Combined Sewer Overflow Abatement: The East River Project, *Journal of Water Resources Management*, 13: 133-151, Kluwer Academic Publishers, Dordrecht, The Netherlands.
7. Protopapas Angelos (2015) *Optimization of Engineering Systems*, e-book with 40 hours of video lectures and other alternative educational material (in Greek).
8. Koudoumakis P.D., G.N. Botzoris, A.L. Protopapas (2011) Development of a Regional Index of Environmental Deficiency (RIED) and its use for the allocation of EU funds, *7th International Conference Management of Technological Changes*, 1-3 September, Alexandroupolis, Greece.
9. Tsagkas F. and A. Protopapas (2007), A comparison of methodologies for the determination of the option value for the environmental resources, *8th Hellenic European Conference on Computer Mathematics and its Applications (HERCMA)*, September 20-22, Athens, Greece.
10. Protopapas A. L., and A. Galimani (2005), System Requirements for the Evaluation of the Mean of a Random Field, *7th Hellenic European Conference on Computer Mathematics and its Applications*, September 20-22, Athens, Greece.

11. RECOGNITION - CITATIONS

From Databases

- ISI Web of Science <http://apps.isiknowledge.com>
- Google Scholar <http://scholar.google.gr/>
- Harzing's
- Scopus <http://www.scopus.com>

Citations =132

Papers/author = 20.28, Authors/paper = 2.08, h-index = 7, g-index = 8 και hc-index = 2.