

CURRICULUM VITAE

Name / Surname : **Eleftherios (Lefteris) Angelis**
Father's name : Stavros
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STUDIES

- 1986: Bachelor degree in Mathematics, Aristotle University of Thessaloniki
- 1993: PhD diploma thesis in Statistics (Experimental Designs), Department of Mathematics, Aristotle University of Thessaloniki.

ACADEMIC EXPERIENCE

Employment Status	Dates
Associate Professor with specialization: "Statistics and Information Systems", Department of Informatics, Aristotle University	2010-
Assistant Professor, Department of Informatics, Aristotle University	2004-2010
Lecturer, Department of Informatics, Aristotle University	1999 – 2004
Visiting Lecturer, Department of Informatics, Aristotle University	1996 – 1999
Visiting assistant professor, Department of Informatics, Technological Educational Institute of Thessaloniki.	1994 – 1999

TEACHING EXPERIENCE

- Probabilities and Statistics
- Advanced Mathematics (Calculus I and II)
- Computational Mathematics (Numerical Analysis)
- Applied Mathematics (Complex Functions, Differential Equations)
- Discrete Mathematics
- Simulation in Management (Post-graduate in Informatics and Management)
- Research Methodology and Data Analysis (Post-graduate in Informatics and Management)
- Statistical Data Analysis (Post-graduate in Computer Science)
- Supervisor of a large number of undergraduate and postgraduate diploma theses

RESEARCH INTERESTS

- Statistical models, Optimal Experimental Designs, Estimation.
- Statistical methods in software engineering (cost estimation, open source processes, controlled experiments, study of human factor)
- Statistical methods in knowledge discovery from Web data, distributed data bases and biomedical texts
- Statistical methods in simulation – meta-analysis and metamodelling.
- Cryptographic transformation of data
- Statistical analysis of data from surveys and experiments.

SABBATICAL RESEARCH

- Guest researcher in Blekinge Institute of Technology, Sweden, within the framework of BESQ (Blekinge Engineering Software Qualities) research program (2007).

PUBLICATIONS

PhD Dissertation

ANGELIS, L. (1993). Study and construction of optimal block experimental designs. *Department of Mathematics, Aristotle University (In Greek)*

Books

ANGELIS L., BLERIS G. (2003). Discrete Mathematics. *Tziolas Publications (In Greek)*

Journal Publications

- J1.** ANGELIS L., C. MOYSSIADIS (1991). A-optimal incomplete block designs with unequal block sizes for comparing test treatments with a control. *Journal of Statistical Planning and Inference (Elsevier)*, Vol. 28, pp. 353-368.
- J2.** ANGELIS L., S. KAGEYAMA, C. MOYSSIADIS (1993). Methods of constructing A-efficient BTIUB designs. *Utilitas Mathematica (University of Manitoba, Canada)*, Vol. 44, pp. 5-15.
- J3.** ANGELIS L., S. KAGEYAMA, C. MOYSSIADIS (1994). Construction of generalized binary proper efficiency-balanced block designs with two different replication numbers. *Sankhya (Indian Statistical Institute)*, Ser. B, Vol.56, Part 2, pp. 259-266.
- J4.** ANGELIS L., E. BORA-SENTA, C. MOYSSIADIS (1997). Optimal designs with a single two-level factor and n autocorrelated observations. *Utilitas Mathematica (University of Manitoba, Canada)*, Vol. 52, pp. 29-42.
- J5.** DASIOU D., L. ANGELIS, C. MOYSSIADIS (1999). Alternative M-estimators of location and their linear convex combinations. *Communications in Statistics: Theory and Methods (Marcel Dekker)*, Vol. 28, 1, pp. 19-33.
- J6.** ANGELIS L., I. STAMELOS (2000). A simulation tool for efficient analogy based cost estimation. *Empirical Software Engineering (Springer)*, 5, pp. 35-68.
- J7.** ANGELIS L., E. BORA-SENTA, C. MOYSSIADIS (2001). Optimal exact experimental designs with correlated errors through a simulated annealing algorithm. *Computational Statistics and Data Analysis (Elsevier)*, Vol. 37/3, pp. 275-296.
- J8.** STAMELOS I., L. ANGELIS (2001). Managing uncertainty in project portfolio cost estimation. *Information and Software Technology (Elsevier)*, 43, pp. 759-768 .
- J9.** VAKALI A., L. ANGELIS, D. POURNARA (2001). Internet based auctions: A survey on models and applications. *ACM SIG on E-commerce Exchanges (ACM)*, Vol. 2.2, pp. 6-15.
- J10.** STAMELOS I., L. ANGELIS, A. OIKONOMOY, G. BLERIS (2002). Code quality analysis in open source software development. *Information Systems Journal (Blackwell science)*, 2nd special issue on Open Source, 12, pp. 43-60.
- J11.** ANTONIADES I., I. STAMELOS, L. ANGELIS, G. BLERIS. (2003). A novel simulation model for the development process of open-source software projects. *Software Process: Improvement and Practice (Wiley)*, Special Issue on Software Process Simulation and Modeling; 7: 173–188. (Acceptance ratio: 7/30=22%).
- J12.** STAMELOS I., L. ANGELIS, P. DIMOU, E. SAKELLARIS (2003). On the use of Bayesian belief networks for the prediction of software development productivity. *Information and Software Technology (Elsevier)*, 45, 1, pp. 51-60.
- J13.** STAMELOS I., L. ANGELIS, M. MORISIO, G. BLERIS, E. SAKELLARIS (2003). Estimating the development cost of custom software. *Information & Management (Elsevier)*, 40, pp. 729-741.
- J14.** ANGELIS L. (2003). An evolutionary algorithm for A-optimal incomplete block designs. *Journal of Statistical Computation and Simulation (Taylor & Francis)*, 10, 753-771.
- J15.** DELIGIANNIS I., I. STAMELOS, L. ANGELIS, M. ROUMELIOTIS, M. SHEPPERD (2004). A controlled experiment investigation of an object-oriented design heuristic for maintainability. *Journal of Systems and Software (Elsevier)*, 72, 129-143.
- J16.** ANGELIS L., G. STAMATELLOS (2004). Multiple objective optimization of sampling designs for forest inventories using random search algorithms. *Computers and Electronics in Agriculture (Elsevier)*, 42, 129-148.

- J17.** TERZI E., A. VAKALI, L. ANGELIS. (2004). A simulated annealing approach for multimedia data placement. *Journal of Systems and Software (Elsevier)*, Volume 73, Issue 3, 467-480.
- J18.** SAMOLADAS I., I. STAMELOS, L. ANGELIS, A. OIKONOMOU (2004). Open source development should strive for even better code maintainability. *Communications of the ACM*, vol. 47, 10, 83-87 (ACM).
- J19.** TSOUMAKAS G., L. ANGELIS, I. VLAHAVAS (2004). Clustering classifiers for knowledge discovery from physically distributed databases. *Data and Knowledge Engineering (Elsevier)*, 49, 223-242.
- J20.** KAROULIS A., P. SFETSOS, I. STAMELOS, L. ANGELIS, A. POMBORTSIS (2004). Experimentally assessing a resource – effective design for ODL environments. *Interactive Technology and Smart Education (Emerald)*, Vol. 1, 4, 265-279
- J21.** SENTAS P., L. ANGELIS, I. STAMELOS, G. BLERIS (2005). Software productivity and effort prediction with ordinal regression. *Information and Software Technology (Elsevier)*, Volume 47, Issue 1, 17-29.
- J22.** KAROULIS A., I. STAMELOS, L. ANGELIS, A. POMBORTSIS (2005). Formally assessing an instructional tool: A controlled experiment in software engineering. *IEEE Transactions on Education*, Volume 48, 1, 133-139
- J23.** TSOUMAKAS, G. L. ANGELIS, I. VLAHAVAS (2005). Selective Fusion of Heterogeneous Classifiers. *Intelligent Data Analysis Volume 9(6) 511 - 525 (IOS Press)*.
- J24.** SENTAS P. and L. ANGELIS (2006). Categorical Missing Data Imputation for Software Cost Estimation by Multinomial Logistic Regression. *Journal of System and Software (Elsevier)*, 79, 404-414.
- J25.** SFETSOS P., L. ANGELIS, I. STAMELOS (2006). Investigating the extreme programming system—an empirical study. *Empirical Software Engineering (Springer)*, 11: 269–301.
- J26.** SOWE, S., I. STAMELOS, L. ANGELIS (2006). Identifying knowledge brokers that yield software engineering knowledge in OSS projects, *Information and Software Technology (Elsevier)*, 48, 1025-1033.
- J27.** KATSAROS, P., L. ANGELIS, C. LAZOS (2007). Performance and effectiveness trade-off for checkpointing in fault tolerant distributed systems, *Concurrency and Computation: Practice and Experience (John Wiley & Sons)*, 19:37–63.
- J28.** MARNAS; S. I., L. ANGELIS; G. L. BLERIS (2007). An Application of Quasigroups in All-Or-Nothing Transform, *Cryptologia (Taylor and Francis)*, Volume 31, Issue 2, 133-142
- J29.** THEODOSIOU T.; L. ANGELIS, A. VAKALI, G. THOMOPOULOS (2007) Gene functional annotation by statistical analysis of biomedical articles. *International Journal of Medical Informatics (Elsevier)*, 76, 601–613.
- J30.** PALLIS, G., L. ANGELIS, A. VAKALI. (2007) Validation and interpretation of Web users’ sessions clusters. *Information Processing & Management (Elsevier)* 43, 1348–1367.
- J31.** SOWE, S. K., I. STAMELOS, L. ANGELIS (2008). Understanding Knowledge Sharing Activities in Free/Open Source Software Projects: An Empirical Study. *Journal of Systems and Software (Elsevier)*, 81, 431–446.
- J32.** MITTAS N, M. ATHANASIADES, L. ANGELIS (2008). Improving Analogy – Based Software Cost Estimation by a Resampling Method. *Information and Software Technology (Elsevier)*, 50, 221–230.
- J33.** BIBI S., I. STAMELOS, L. ANGELIS (2008). Combining probabilistic models for explanatory productivity estimation. *Information and Software Technology (Elsevier)*, 50 656–669.
- J34.** SENTAS P.; L. ANGELIS; I. STAMELOS (2008). A Statistical Framework for Analyzing the Duration of Software Projects. *Empirical Software Engineering (Springer)*. 13:147–184
- J35.** THEODOSIOU TH., L. ANGELIS, A. VAKALI (2008). Non-linear correlation of content and metadata information extracted from biomedical article datasets. *Journal of Biomedical Informatics (Elsevier)*, 41, 202–216.
- J36.** MITTAS N., L. ANGELIS (2008). Comparing Cost Prediction Models by Resampling Techniques. *Journal of Systems and Software (Elsevier)*. Special Issue on Software Process and Product Measurement, 81, 616–632.

- J37.** ROVEGARD P., L. ANGELIS, C. WOHLIN (2008). An Empirical Study on Views of Importance of Change Impact Analysis Issues. *IEEE Transactions On Software Engineering*, Volume 34, Issue 4, 2008, Pages 516-530.
- J38.** THEODOSIOU T., N. DARZENTAS, L. ANGELIS, C. OUZOUNIS (2008). "PuReD-MCL: a graph-based PubMed document clustering methodology", *Bioinformatics (Oxford Univ. Press)*, *Bioinformatics* 24(17): 1935-1941.
- J39.** KAROULIS, A., I. STAMELOS, L. ANGELIS (2008). Experimental Evaluation of an Instructional Supporting Tool in Distance Learning. *Educational Technology & Society (International Forum of Educational Technology & Society/IEEE)*, 11(3), 67–81.
- J40.** SFETSOS P., I. STAMELOS, L. ANGELIS, I. DELIGIANNIS (2009). "An Experimental Investigation of Personality Types Impact on Pair Effectiveness in Pair Programming". *Empirical Software Engineering (Springer)* 14:187–226
- J41.** MITTAS N., L. ANGELIS. (2009). "Visual Comparison of Software Cost Estimation Models by Regression Error Characteristic Analysis" *The Journal of Systems and Software* 83 (2010) 621–637.
- J42.** FELDT R., L. ANGELIS, R. TORKAR, M. SAMUELSSON. (2010) "Links between the personalities, views and attitudes of software engineers" *Information and Software Technology (Elsevier)* 52, 611–624
- J43.** MITTAS N., L. ANGELIS. (2010) "LSEbA: Least Squares Regression and Estimation by Analogy in a Semi-Parametric Model for Software Cost Estimation" *Empirical Software Engineering (Springer)*, 15: 523-555.
- J44.** SAMOLADAS I., L. ANGELIS, I. STAMELOS (2010). Survival analysis on the duration of open source projects. *Information and Software Technology (Elsevier)* 52: 902–922.
- J45.** MENTIS A., P. KATSAROS, L. ANGELIS, G. KAKARONTZAS (2010). Quantification of interacting runtime qualities in software architectures: insights from transaction processing in client-server architectures. *Information and Software Technology (Elsevier)*. *Accepted Manuscript published online DOI: 10.1016/j.infsof.2010.07.006*

Medical Journals

- MJ1.** ANTONARAKOS P.D., L. KATRANITSA, L. ANGELIS, A. PAGANAS, E.M. KOEN, E.A. CHRISTODOULOU, A.G. CHRISTODOULOU. Reliability and validity of the adapted Greek version of scoliosis research society – 22 (SRS-22) questionnaire. *Scoliosis (BioMed Central)*, 2009, 4:14. doi:10.1186/1748-7161-4-14.

University Bulletin Publications

- U1.** KAGEYAMA S., L. ANGELIS, C. MOYSSIADIS (1993). Tables of A-efficient BTIUB designs. *Bulletin of the Faculty of School Education, Hiroshima University, Part II, Vol. 15*, pp. 45-50.

Book Chapters

- B1.** ANTONIADES I., I. SAMOLADAS, I. STAMELOS, L. ANGELIS, G. BLERIS (2005). Dynamical simulation models of the open-source development process. In "Free/Open Source Software Development", Idea Group Publishing, pp. 174-202.
(also in: "Global Information Technologies: Concepts, Methodologies, Tools, and Applications (6 Volumes)" Edited By: Felix B. Tan, Idea Group Publishing)
- B2.** VAKALI, A., G. PALLIS, L. ANGELIS. (2007). Clustering Web Information Sources. In "Web Data Management Practices: Emerging Techniques and Technologies", Idea Group Inc. Publishing, pp. 34-55.
- B3.** ANGELIS L., P. SENTAS, N. MITTAS, P. CHATZIPETROU. (2010). Methods for statistical and visual comparison of imputation methods for missing data in software cost estimation. *Accepted for inclusion in "Modern Software Engineering Concepts and Practices: Advanced Approaches" Editors Ali H. Dogru, Veli Bicer, IGI Global.*

International Conferences

- C1.** ANGELIS L., C. MOYSSIADIS (1994). Construction of A-efficient block designs for comparing test treatments with a control through (M,S)-optimality. *Proceedings of the Second Hellenic European Conference on Mathematics and Informatics*, pp. 341-349, September 1994, Athens, Greece.
- C2.** ANGELIS L., A. GEORGIU, A. PAPAPOULOU (1995). Investigating budget balance by Monte Carlo techniques. *Proceedings of the 3rd Balkan Conference on Operational Research*, pp. 1308 – 1322, October 1995, Thessaloniki, Greece.
- C3.** STAMELOS I., L. ANGELIS, E. SAKELLARIS (2001). BRACE: BootstRap based Analogy Cost Estimation: Automated support for an enhanced effort prediction method. *Proceedings of the 12th European Software Control and Metrics Conference*, pp. 17-23, April 2001, London, UK.
- C4.** ANGELIS L., I. STAMELOS, M. MORISIO (2001). Building a software cost estimation model based on categorical data. *Proceedings of the 7th IEEE International Software Metrics Symposium*, pp. 4-15, April 2001, London, UK.
- C5.** KATSAROS P., L. ANGELIS, C. LAZOS (2001). Applied multiresponse metamodelling for queuing network simulation experiments: problems and perspectives. *Proceedings of the 4th International Eurosim 2001 Congress*, June 2001, Delft, The Netherlands.
- C6.** STAMELOS I., L. ANGELIS, G. BLERIS, E. SAKELLARIS (2001). A statistical simulation tool for software cost evaluation – a case study in industrial context. *Proceedings of the Workshop on Education of Informaticians and Industrial Mathematicians – New Challenges and Needs*, pp. 163-175, June 2001, Ohrid, FYROM.
- C7.** ANTONIADES I., I. STAMELOS, L. ANGELIS, G. BLERIS (2001). Towards an open source software development simulation model. *Proceedings of the Workshop on Education of Informaticians and Industrial Mathematicians – New Challenges and Needs*, pp. 1-15, June 2001, Ohrid, FYROM.
- C8.** VAKALI A., E. TERZI, L. ANGELIS, M. S. HACID (2001). Multimedia documents storage: An evolutionary based application. *Proceedings of the International Workshop on Multimedia Data and Document Engineering, in conjunction with the 7th International Conference on Reverse engineering Technologies for Information Systems (ReTIS)*, pp. 36-44, July 2001, Lyon, France.
- C9.** DELIGIANIS I., I. STAMELOS, L. ANGELIS, M. ROUMELIOTIS (2002). The impact of heuristics on object-oriented design maintainability: a controlled experiment. *Proceedings of the 4th International Workshop on Computer Science and Information Technologies (CSIT 2002)*, September 2002, Patras, Greece.
- C10.** PALLIS G., A. VAKALI, L. ANGELIS, M. S. HACID (2003). A study on workload characterization for a web proxy server. *Proceedings of the 21st IASTED International Multi - Conference on Applied Informatics*, pp. 779-784, February 2003, Innsbruck, Austria.
- C11.** ANGELIS L., I. STAMELOS, G. BLERIS, (2003). Recent developments in information systems software cost estimation. *Proceedings of the 1st International Conference on Mathematics and Informatics for Industry*, pp. 220-234, April 2003, Thessaloniki, Greece.
- C12.** KAROULIS A, I. STAMELOS, L. ANGELIS, A. POMBORTSIS (2003). A controlled experiment investigation on the impact of an instructional tool for personalized learning. *Proceedings of the 3rd IEEE International Conference on Advanced Learning Technologies (ICALT 03)*, pp. 354-355, July 2003, Athens, Greece.
- C13.** BIBI S., I. STAMELOS, L. ANGELIS (2003). Bayesian belief networks as a software productivity estimation tool. *Proceedings of the 1st Balkan Conference in Informatics*, pp. 585-596, Thessaloniki, November 2003.
- C14.** MARNAS S., L. ANGELIS, G. BLERIS (2003). All-or-nothing transforms using quasigroups. *Proceedings of the 1st Balkan Conference on Informatics*, November 2003, Thessaloniki, Greece.
- C15.** PALLIS G., L. ANGELIS, A. VAKALI, J. POKORNY (2004): A Probabilistic Validation Algorithm for Web Users' Clusters. *Proceedings of the IEEE International Conference on Systems, Man and Cybernetics*, Hague, Holland.
- C16.** BERBERIDIS C., L. ANGELIS, I. VLAHAVAS, (2004): "PREVENT: An algorithm for mining inter-transactional patterns for the prediction of rare events. *Proc of the 2nd European Starting AI Researcher Symposium (STAIRS' 04)*, IOS Press, Valencia, Spain.

- C17.** DELIGIANNIS I., P. SFETSOS, I. STAMELOS, L. ANGELIS, A. XATZIGEORGIU, P. KATSAROS (2004): Assessing the modifiability of two object-oriented design alternatives – A controlled experiment replication. *Proceedings of the 5th Eurosim Congress on Modeling and Simulation, September 2004, ESIEE Paris, France.*
- C18.** KATSAROS P., L. ANGELIS, C. LAZOS (2004): Simulation metamodeling for the design of reliable object based systems. *Proceedings of the 5th Eurosim Congress on Modeling and Simulation, September 2004, ESIEE Paris, France*
- C19.** SENTAS P., L. ANGELIS, I. STAMELOS, G. BLERIS (2004): Multiple logistic regression as imputation method applied on software effort prediction. *Late breaking papers and Industrial Experiences Sessions, 10th IEEE International Symposium on Software Metrics, Chicago, USA.*
- C20.** BIBI S., I. STAMELOS, L. ANGELIS (2004): Software Cost Prediction with Predefined Interval Estimates, *Proceedings of the 1st Software Measurement European Forum, pp. 237-246, Rome, January 2004.*
- C21.** BIBI S., I. STAMELOS, L. ANGELIS: (2004) Software Productivity estimation based on Association Rules, *11th European Software Process Improvement Conference, Trondheim, Norway, 10-12 November 2004*
- C22.** SFETSOS P., A .KAROULIS, L. ANGELIS (2004). Controlled Experiment Concerning Traditional and Distance Learning of UML Sequence Diagrams. *3rd International Conference on Computer Science, Software Engineering, Information Technology, e-Business, and Applications (CSITeA'04), December 27-29, 2004, Cairo, Egypt*
- C23.** SFETSOS P., L. ANGELIS, I. STAMELOS, G. L. BLERIS (2004). Evaluating the Extreme Programming System –An Empirical Study. *Proc. 5th International Conference on Extreme Programming and Agile Processes in Software Engineering. In J. Eckstein and H. Baumeister (Eds.): XP 2004, LNCS 3092, pp. 227–230, Springer-Verlag Berlin Heidelberg*
- C24.** PALLIS G., L. ANGELIS, A. VAKALI (2005). Model-based Cluster Analysis for Web Users Sessions. *Proceedings of the 15th International Symposium on Methodologies for Intelligent Systems (ISMIS 2005), Lecture Notes in Computer Science (LNCS) Series 3488, Springer Verlag, Saratoga (NY), USA, May. 2005*
- C25.** THEODOSIOU T., L. ANGELIS, A. VAKALI (2005). Functional Annotation of Genes through Statistical Analysis of Biomedical Articles. *Proceedings of the 3rd International Workshop on Biological Data Management (BIDM 2005), Copenhagen, Denmark Aug. 2005*
- C26.** SENTAS P., L. ANGELIS (2005). Survival Analysis for the Duration of Software Projects. *Proceedings of the 11th IEEE International Symposium of Software Metrics: 19-22 Sept. 2005, Como, Italy.*
- C27.** KAROULIS A., I. STAMELOS, L. ANGELIS (2006). Formal Evaluation of an Instructional ODL tool. *6th IEEE International Conference on Advanced Learning Technologies (ICALT). July 5-7, 2006, Kerkrade, The Netherlands.*
- C28.** MARNAS S., S. MADARIOTAKIS, L. ANGELIS, G. BLERIS (2006). Secure Internet Storage of Files. *Proceedings of 5th International Symposium Communication Systems Networks and Digital Signal Processing (CSNDSP), 19-21 July 2006, Patras.*
- C29.** THEODOSIOU T., L. ANGELIS, A. VAKALI: (2006). Exploring the correlation of biomedical article keywords to MeSH terms, *In Proceedings of Itab 2006, 26-28, October 2006, Ioannina, Epirus, Greece.*
- C30.** SFETSOS P., I. STAMELOS, L. ANGELIS, I. DELIGIANNIS. (2006). Investigating the Impact of Personality Types on Communication and Collaboration-Viability in Pair Programming – An Empirical Study. *7th International Conference on eXtreme Programming and Agile Processes in Software Engineering (XP2006). June 2006, Finland. In P. Abrahamsson, M. Marchesi, and G. Succi (Eds.): XP 2006, LNCS 4044, pp. 43 – 52, Springer-Verlag Berlin Heidelberg.*
- C31.** SOWE S. K., I. STAMELOS, L. ANGELIS (2006). An empirical approach to evaluate students participation in free/open source software projects. *IADIS International Conference on Cognition and Exploratory Learning in Digital Age, CELDA 2006, Barcelona Spain.*
- C32.** SOWE, S. K., L. ANGELIS, I. STAMELOS, Y. MANOLOPOULOS (2007). Using Repository of Repositories (RoRs) to Study the Growth of F/OSS Projects: A Meta-Analysis Research Approach. *Proceedings of the Third International Conference on Open Source Systems, OSS2007, June 11-14, 2007, Limerick, Ireland.*

- C33.** VLACHOU, M., L. ANGELIS, I. FLOROPOULOS (2007). The economic behaviour of students in Greece. Level of debt and future trends. Is there any reason for concern? *International Workshop in Economics and Finance, IWEF 2007, June 2007, Tripolis, Greece.*
- C34.** ALTSITSIADIS, E., L. ANGELIS, E. GRYLLOU, A. ALTSITSIADIS, K. TRIARIDES (2007). Simulation study of a private diagnostic center. *16th EUROSIM Congress, Ljubljana, Slovenia, September 9 - 13, 2007.*
- C35.** BIBI M., N. MITTAS, L. ANGELIS, I. STAMELOS, E. MENDES (2007). Comparing Cross- vs. Within-Company Effort Estimation Models Using Interval Estimates. *IWSM-Mensura 2007 (International Conference on Software Process and Product Measurement), Palma de Mallorca, Spain, 5-8 November 2007.*
- C36.** FELDT R, R. TORKAR, L. ANGELIS, M. SAMUELSSON. (2008). Towards Individualized Software Engineering: Empirical Studies Should Collect Psychometrics. *Cooperative and Human Aspects of Software Engineering - CHASE'08, May 13, 2008, Leipzig, Germany. (ICSE 2008 Compilation Proceedings of the Co-Located Workshops, ACM, pp. 49-52)*
- C37.** MENTIS A., P. KATSAROS, L. ANGELIS (2008). ACID Sim Tools: A Simulation Framework for Distributed Transaction Processing Architectures. *SimulationWorks: Industry Track to The First International Conference on Simulation Tools and Techniques for Communications, Networks and Systems. Marseille, France March 2008.*
- C38.** MITTAS N., L. ANGELIS (2008). Partial Regression Error Characteristic Curves for the Comparison of Software Cost Prediction Models, *Workshop on Artificial Intelligence, Techniques in Software Engineering (AISEW 2008), July 2008, Patras, Greece.*
- C39.** MITTAS N., L. ANGELIS (2008). Comparing Software Cost Prediction Models by a Visualization Tool. *34th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), September 2008, Parma, Italy.*
- C40.** MITTAS N., L. ANGELIS (2008). Combining Regression and Estimation by Analogy in a Semi-parametric Model for Software Cost Estimation. *International Symposium on Empirical Software Engineering and Measurement ESEM'08, October 9-10, 2008, Kaiserslautern, Germany.*
- C41.** SOWE S., I. SAMOLADAS, I. STAMELOS, L. ANGELIS (2008). Are FLOSS developers committing to CVS/SVN as much as they are talking in mailing lists? Challenges for Integrating data from Multiple Repositories. *3rd International Workshop on Public Data about Software Development (WoPDaSD 2008). Co-located with The 4th International Conference on Open Source Systems September 7th - 10th 2008, Milan, Italy*
- C42.** MITTAS N., L. ANGELIS (2009). Bootstrap Confidence Intervals for Regression Error Characteristic Curves Evaluating the Prediction Error of Software Cost Estimation Models. *2nd Artificial Intelligence Techniques in Software Engineering Workshop (AISEW2009), at the 5th IFIP Conference on Artificial Intelligence Applications and Innovations, April, Thessaloniki, Greece. Proceedings online, <http://ceur-ws.org/Vol-475>, pp. 221-230.*
- C43.** KHURUM, M., T. GORSCHER, L. ANGELIS, R. FELDT (2009). A controlled experiment of a method for early requirements triage utilizing product strategies. *15th International Conference on Requirements Engineering: Foundation for Software Quality (REFSQ09), Amsterdam, Netherlands, June 2009. Proceedings Published in Lecture Notes in Computer Science, 5512 LNCS pp. 22-36, Springer-Verlag.*
- C44.** MITTAS N., L. ANGELIS (2009). Bootstrap Prediction Intervals for a Semi-Parametric Software Cost Estimation Model. *35th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2009). August 2009, Patras, Greece, Proceedings published by IEEE, pp. 293-299.*
- C45.** MENTIS A., P. KATSAROS, L. ANGELIS (2009). Synthetic Metrics on Evaluating Runtime Quality of Software Architectures with Complex Tradeoffs. *35th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2009). August 2009, Patras, Greece, Proceedings published by IEEE, pp. 237-242.*
- C46.** HAMDAN K., S. BIBI, L. ANGELIS, I. STAMELOS (2009). A Bayesian Belief Network Cost Estimation Model that Incorporates Cultural and Project leadership Factors. *IEEE Symposium on Industrial Electronics & Applications (ISIEA 2009), October 2009, Kuala Lumpur, Malaysia.*

- C47.** GORSCHKEK T., E. TEMPERO, L. ANGELIS (2010). A large-scale empirical study of practitioners' use of object-oriented concepts. *Accepted in ICSE2010: ACM/IEEE 32th International Conference on Software Engineering, Cape Town, 2-10 May 2010.*
- C48.** HAMDAN K., L. ANGELIS, P. SMITH. (2010). Software Project Leadership and Cultural Characteristics: A Case-Study of Software Development in Private and Governmental Agencies in the United Arab Emirates (*In Arabic*). *6th International Computing Conference in Arabic (ICCA 2010), Hammamet, Tunisia, May 20-21, 2010.*
- C49.** PAPARRIZOS I., V. KOUTSONIKOLA, L. ANGELIS, A. VAKALI (2010). Automatic Extraction of Structure, Content and Usage Data Statistics of Web Sites. *Poster accepted in Hypertext 2010 (21st ACM Conference on Hypertext and Hypermedia), Toronto, Canada, June 13-16, 2010*
- C50.** CHATZIPETROU P., L. ANGELIS, P. ROVEGÅRD, C. WOHLIN (2010). Prioritization of Issues and Requirements by Cumulative Voting: A Compositional Data Analysis Framework. *Proceedings of the 36th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA), Lille, France, September 1st – September 3rd, 2010.*
- C51.** SPYROPOULOU A., L. ANGELIS (2010). A Simulation Study Of The Organization For Employment Of Workforce In Greece. *Proceedings of the 7th EUROSIM 2010 Congress on Modelling and Simulation, September 6-10, Prague, Czech Republic.*
- C52.** MITTAS N., M. V. KOSTI, V. ARGYROPOULOU, L. ANGELIS (2010). Modeling the Relationship between Software Effort and Size Using Deming Regression. *The 6th International Conference on Predictive Models in Software Engineering (PROMISE 2010). Timisoara, Romania, Sept 12-13, 2010.*
- C53.** KOSTI M. V., N. MITTAS, L. ANGELIS (2010). DD-EbA: An algorithm for determining the number of neighbors in cost estimation by analogy using distance distributions. *AISEW 2010: 3d Artificial Intelligence Techniques in Software Engineering Workshop 2010, October 5, 2010-October 7, 2010 in Ayia Napa, Cyprus*

Greek Conferences/Publications

- G1.** ANGELIS, L. and C. MOYSSIADIS (1991). A-optimal unequal block designs. *4th Pan-Hellenic Conference in Statistics. Patras, Greece. (In Greek)*
- G2.** ANGELIS, L. and C. MOYSSIADIS (1991). Methods for constructing BTIUB designs. *4th Pan-Hellenic Conference in Statistics. Patras, Greece (In Greek)*
- G3.** ANGELIS, L., A. GEORGIOU and A. PAPADOPOULOU (1995). Investigating budget balance by Monte Carlo techniques. *8th Pan-Hellenic Conference in Statistics. Delfoi, Greece (In Greek)*
- G4.** GINOGLOU, D., L. ANGELIS, S. MOYSI and G. TSIANOGLIANIS (1996). Problems of small or medium touristic enterprises of Chalkidiki. Proposed solution as corporate recovery. *10th Pan-Hellenic Conference in Operational Research. (In Greek)*
- G5.** DASIOU, D., L. ANGELIS and C. MOYSSIADIS (1998). The convex linear combination of two M-estimators and its breakdown point. *11th Pan-Hellenic Conference in Statistics. (In Greek)*
- G6.** ANGELIS, L. (2000). Random search algorithms with applications to problems of optimal experimental designs. *13th Pan-hellenic Conference in Statistics. (In Greek).*
- G7.** STAMELOS I., L. ANGELIS, A. OIKONOMOU (2001) Investigating the Relationship Between Source Code Modularity and User Satisfaction in Open-Source. *1st Panhellenic Conference with International Participation on Human-Computer Interaction Patras, Greece.*
- G8.** ANGELIS, L. (2002). Incomplete block designs for successive comparisons of ordered treatments. *15th Pan-hellenic Conference in Statistics. (In Greek)*
- G9.** MARNAS S., L. ANGELIS (2002). A brief review of e-lottery schemes. *Informatics (Edited by Cyprus Computer Society), issue 3, pp. 25-26.*
- G10.** ANTONIADES I., I. STAMELOS, L. ANGELIS, G. BLERIS (2003). Dynamical simulation models for the development process of open source software projects. *Proceedings of the 9th Panhellenic Conference in Informatics, November 2003, Thessaloniki, Greece.*
- G11.** SENTAS, P., L. ANGELIS, I. STAMELOS (2003). Multinomial logistic regression applied on software productivity prediction. *Proceedings of the 9th Panhellenic Conference in Informatics, November 2003, Thessaloniki, Greece.*

- G12.** ANGELIS, L., G. STAMATELLOS (2003). Random search algorithms for optimal sampling designs in forest inventories. *Proceedings of the 16th Panhellenic Conference in Statistics, Kavala, Greece. (In Greek).*
- G13.** C.BERBERIDIS, L.ANGELIS, I.VLAHAVAS (2004). Inter-Transaction Association Rules Mining for Rare Events Prediction. *Proceedings of the 3rd Hellenic Conference on Artificial Intelligence, May 2004, Samos.*
- G14.** ANGELIS L., M. MUTSA (2004). Software cost estimation: resampling techniques for estimation by analogy. *Proceedings of the 17th Panhellenic Conference in Statistics, Lefkada. (In Greek)*
- G15.** SFETSOS, P., A. KAROULIS, I. STAMELOS, L. ANGELIS. (2005). Evaluating a minimalistic design for ODL Environments. *ICODL 2005, 3rd International Conference on Open and Distance Learning, 'Applications of Pedagogy and Technology' Patra 11-13 November, 2005.*
- G16.** KAROULIS A., I. STAMELOS, L. ANGELIS, (2005). The «Lesson Sheet» and its experimental evaluation', *Proc. ICDL 2005, 3rd International Conference on Open and Distance Learning 'Applications of Pedagogy and Technology' Patra 11-13 November, 2005*
- G17.** ANGELIS L., P. SENTAS (2005). Duration Analysis of Software Projects. *Proceedings of the 10th Panhellenic Conference in Informatics, Volos, Greece (In Greek).*
- G18.** MITTAS N., L. ANGELIS (2006). Confidence intervals and hypothesis tests in the comparison of software cost estimation methods. *Proceedings of the 19th Panhellenic Conference in Statistics, Kastoria (In Greek).*
- G19.** THEODOSIOU T., M. FRAGKOPOULOU, L. ANGELIS, A. VAKALI (2007). Assigning Gene Ontology terms to biotext by classification methods. *Proceedings of the 11th Panhellenic Conference in Informatics, May 2007, Patras, Greece.*
- G20.** PAPAPANAGIOTOU K., D. VLACHOS, L. ANGELIS (2008). Decision making in Supply Chains using Simulation: A Methodological Approach. *Management of International Business and Economics Systems Conference (MIBES 2008), July 2008 Larissa.*
- G21.** DIMOKAS N., N. MITTAS, A. NANOPOULOS, L. ANGELIS (2008). A Prototype System for Educational Data Warehousing and Mining. *12th Pan-Hellenic Conference on Informatics PCI 2008 August 2008, Samos*
- G22.** MITTAS N., L. ANGELIS (2009). Graphical comparison of software cost estimation models with regression error characteristic analysis. *22nd Panhellenic Conference in Statistics, Chania, Greece (In Greek).*
- G23.** LIPARAS D., L. ANGELIS (2010). The Mahalanobis-Taguchi strategy and its application in software defect prediction. *23rd Panhellenic Conference in Statistics, Veria, Greece (In Greek).*

Announcements, Talks and Volumes of Abstracts

- A1.** ANGELIS L., C. MOYSSIADIS. A-optimal incomplete block designs with unequal block sizes for comparing test treatments with a control. *2nd World Congress of Bernoulli Society for Mathematical Statistics and Probability and 53rd Annual Meeting of the Institute of Mathematical Statistics, August 1990, Uppsala, Sweden.*
- A2.** ANGELIS L., S. KAGEYAMA, C. MOYSSIADIS. Constructions of BTIUB designs. *Recent Developments in Probability and Statistics. An International Conference in Memory of Professor C. G. Khatri, December 1990, Delhi, India.*
- A3.** ANGELIS L., A. GEORGIU, A. PAPADOPOULOU. A probabilistic cash budgeting simulation model - a case in the Greek public sector. *EURO XV/ INFORMS XXXIV Joint International Conference in Barcelona, July 1997.*
- A4.** ANGELIS L., A. GEORGIU, A. PAPADOPOULOU. Stochastic simulation of monetary flows-cash budget study in public sector. *9th Panhellenic Conference in Statistics, April 1996, Xanthi.*
- A5.** ANGELIS L., E. BORA-SENTA, C. MOYSSIADIS. Optimal experimental designs with simulated annealing. *12o Panhellenic Conference in Statistics, April 1999, Spetses.*
- A6.** ANGELIS L. An overview of random search algorithms with applications in optimization problems. *Conference on Mathematics and New Technologies, Aristotle University of Thessaloniki, June 1999, Thessaloniki.*

- A7. ANGELIS L., G. STAMATELLOS. Optimization in double sampling for forest inventory with a simulated annealing algorithm. *Inaugural EuroConference – Eastern Mediterranean Region of International Biometric Society, January 2001, Athens.*
- A8. ANGELIS L., A. VAKALI, T. THEODOSIOU. Biological text mining. *Workshop in Bioinformatics, Organizers: Institute of Agrobiotechnology, CERTH, and European Bioinformatics Institute, October 1st, 2004, Thessaloniki.*
- A9. ANGELIS L., A. VAKALI, T. THEODOSIOU. “Discriminant analysis for genes classification over biomedical articles” *3rd Conference of the Eastern Mediterranean Region (EMR) of the International Biometric Society (IBS), Corfu, Greece, on May 10-12, 2005. Poster Presentation*
- A10. STAMELOS I., L. ANGELIS, (2006). Effort Prediction Models for Interval Estimation. *Invited talk for the MeLLow (meta level learning for software projects) Workshop, at Brunel University in the framework of a 3-year EPSRC funded project.*
- A11. PAPAPANAGIOTOU K., L. ANGELIS, D. VLACHOS, (2008). Measuring efficiency of a production and delivery network using simulation. *5th Student Conference in Management and Technology, Athens 2008.*
- A12. THEODOSIOU T., L. ANGELIS (2008). Statistical Methods of Multivariate Analysis of Data from Biological Documents and Ontologies. *3rd Conference of the Hellenic Society Of Computational Biology & Bioinformatics, (H.S.C.B.B.), October 2008, CERTH, Thessaloniki.*
- A13. ANGELIS L. Statistical Methods in Biomedical Text Mining. *Meeting Of The Hellenic Society Of Computational Biology & Bioinformatics, (H.S.C.B.B.) – General Secretariat for Research and Technology-(GSRT) – Coordinators of the ELIXIR project, National Hellenic Research Foundation, March 2009, Athens*
- A14. ANGELIS L. Statistical methods of searching and analyzing information from Web documents. *Invited talk at plenary meeting, 23rd Panhellenic Conference of Statistics. Veria, Greece, 7-11 April 2010.*

FUNDED PROJECTS

- Participation in 22 funded R&D Greek or European projects. Indicatively:
 - MATHIND: Balkan and Eastern European Network of Excellence for the diffusion of mathematics for industry" (IST)
 - Software quality observatory for open source software SQO-OSS. (IST/EU)
 - Free/libre/open source software metrics and benchmarking study. European Commission - Information Society and Media Directorate General.
- Coordinator in 2 Greek projects.

MEMBER OF COMMITTEES - REVIEWER

Reviewer in Journals:

- Communications of ACM
- IEEE Transactions of Software Engineering (IEEE)
- Computing in Science & Engineering (IEEE)
- Data & Knowledge Engineering (Elsevier)
- Empirical Software Engineering (Springer)
- European Journal of Operational Research (Elsevier)
- Information and Software Technology (Elsevier).
- Information Sciences (Elsevier)
- Journal of Computer Science and Technology (Springer)
- Journal of Systems and Software (Elsevier)
- International Journal of Computer Applications in Technology (InderScience)
- International Journal on Software Engineering and Knowledge Engineering (World Scientific)
- Simulation Modelling Practice and Theory (Elsevier)

- Cryptologia (Taylor & Francis)
- Autosoft Journal (Autosoft press)
- ACM Computing reviews

Member of Committees / Reviewer in Conferences:

- MII 2003: 1st International Conference on Mathematics and Informatics for Industry. *Member of the organizing committee.*
- 1st International Workshop on Clustering Information over the Web: ClustWeb 2004. *Member of the program committee.*
- International Conference on Cooperative Information Systems: CoopIS 2004, 2005. *Member of the program committee.*
- International Conference of Information Resources Management Association (IRMA 2005). *Member of the program committee.*
- International Workshop on Challenges in Web Information Retrieval and Integration (WIRI 2005, 2006). *Member of the program committee.*
- International Association for Development of the Information Society (IADIS) Conferences 2004-2009. *Member of the program committee.*
- Pan-Hellenic Conference on Informatics (PCI 2008, 2009) *Member of the program committee.*
- Artificial Intelligence Techniques in Software Engineering Workshop (AISEW 2008, 2009). *Member of the program committee.*
- Hawaii International Conference on System Sciences (HICSS-42/2009). *Reviewer*
- International Conference on Computer Engineering & Systems (ICCES'08). *Reviewer.*
- International Congress on Pervasive Computing and Management (ICPCM 2008). *Reviewer.*
- Conference on Software Engineering Research and Practice in Sweden (SERPS'08). *Member of the program committee.*
- International Symposium on Programming and Systems (ISPS 2009). *Member of the program committee.*
- International Symposium on Empirical Software Engineering and Measurement (ESEM 2009). *Member of the program committee.*
- EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA 2009). *Member of the program committee.*
- IEEE Symposium on Industrial Electronics and Applications (ISIEA 2009). *Member of the program committee.*
- 22nd Panhellenic conference in Statistics. *Reviewer*
- Predictive Models in Software Engineering (PROMISE 2010). *Member of the program committee.*
- 7th International Conference on the Quality of Information and Communications Technology (QUATIC2010). *Member of the program committee in track "Quality in Agile Methods"*

SUPERVISOR OF PhD STUDENTS

Completed Dissertations

1. Panagiotis Sentas: "Statistical models for analysis and estimation of software project management data" (2007)
2. Theodosios Theodosiou: "Statistical methods for multivariate analysis of data from biological texts and ontologies" (2008).

3. Nikolaos Mittas: “Statistical and computational methods for development, improvement and comparison of software cost estimation models” (2009)

Ongoing Dissertations

1. Anakreon Mentis: “Methods for reliable software”
2. Panagiota Chatzipetrou: “Statistical methods in the quality of Information Systems”
3. Dimitris Liparas: “Multivariate statistical methods of classification”
4. Makrina Viola Kosti: “Multivariate statistical methods of prediction”

Citations from other researchers (Last Update – June 2010)

number	Publication	Number of citations	number	Publication	Number of citations
1	J10	99	31	J17	5
2	J6	81	32	J27	5
3	C4	47	33	J2	5
4	J18	46	34	C32	5
5	J12	43	35	J14	4
6	J13	28	36	J34	4
7	J21	28	37	C36	4
8	J26	28	38	G13	4
9	B1	27	39	C3	3
10	J8	26	40	C19	3
11	J7	23	41	J36	2
12	J19	20	42	J38	2
13	J31	16	43	J40	2
14	C24	13	44	C5	2
15	J1	12	45	C40	2
16	J25	11	46	J3	1
17	C30	10	47	J4	1
18	J32	9	48	J5	1
19	J11	8	49	J20	1
20	J15	8	50	J22	1
21	J30	7	51	J37	1
22	J23	7	52	J35	1
23	J9	6	53	J42	1
24	J16	6	54	C18	1
25	J24	6	55	C26	1
26	C13	6	56	C41	1
27	C14	6	57	C44	1
28	C16	6	58	G7	1
29	C23	6	59	G17	1
30	J29	6			
Total number of citations: 711					