

CURRICULUM VITAE

NIKOLAOS A. MITTAS

Kavala 2022

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1. Personal

Born: Kavala, Greece
Nationality: Greek
Work Address: Department of Chemistry, International Hellenic University, Ag. Loukas,
Kavala, 65404
Telephone: +30 2510 462163
e-mail: nmittas@chem.ihu.gr

1.1. Research Interests

Statistics & predictive analytics in empirical software engineering
Data-driven methods in IT & O&G sectors
Machine learning for personalized (precision) medicine
Scientific software development (medical, environmental etc.)

2. Studies

Nov. 2005 – June 2009 **Doctor of Philosophy (PhD)** in Statistical and Computational Methods in Software Cost Estimation
School of Informatics, Aristotle University of Thessaloniki, Greece
Oct. 2003 – June 2005 **Master of Science (MSc)** in Information Systems
School of Informatics, Aristotle University of Thessaloniki, Greece
Oct. 1999 – Sep. 2003 **Bachelor of Science (BSc)** in Mathematics
Department of Mathematics, University of Crete, Greece

3. Academic Experience

3.1. Assistant Professor, Department of Chemistry, International Hellenic University

Oct. 2019 – Today	<p>Undergraduate Studies</p> <ul style="list-style-type: none"> • Mathematics I • Programming & Data Science • Mathematics II • Structured Programming • Research Methods <p>Postgraduate Studies “MSc in Oil & Gas Technology” (in English)</p> <ul style="list-style-type: none"> • Research Methods (Module Quantitative Methods) <p>Postgraduate Studies “MPhil in Nanotechnology”</p> <ul style="list-style-type: none"> • Research Methods
3.2. Assistant Professor , Department of Petroleum, Natural Gas and Mechanical Engineering, Eastern Macedonia & Trace Institute of Technology	
Oct. 2018 – Oct. 2019	<p>Undergraduate Studies</p> <ul style="list-style-type: none"> • Mathematics for Engineers I • Introduction to Informatics • Application of Informatics • Mathematics for Engineers II • Structured Programming <p>Postgraduate Studies “MSc in Oil & Gas Technology” (in English)</p> <ul style="list-style-type: none"> • Research Methods (Module Quantitative Methods) <p>Postgraduate Studies “MPhil in Nanotechnology”</p> <ul style="list-style-type: none"> • Research Methods
3.3. Adjunct Faculty , Hellenic Open University, Greece	
Oct. 2016 – Today	<p>BSc Studies in Business Administration</p> <ul style="list-style-type: none"> • Θεματική Ενότητα: Quantitative Methods
3.4. Adjunct Faculty , School of Informatics, Aristotle University of Thessaloniki	
Oct. 2018 – Today	<p>Joint MSc Studies in Management & Information Systems</p> <ul style="list-style-type: none"> • Research Methods and Data Analysis
3.5. Adjunct Faculty , School of Informatics, Aristotle University of Thessaloniki	
Feb. 2009 – July 2018	<p>Joint MSc Studies in Informatics & Management</p> <ul style="list-style-type: none"> • Research Methods and Data Analysis
3.6. Adjunct Faculty , Open University of Cyprus	
Feb. 2015 – July 2016	<p>MSc Studies in Information and Communications Systems</p> <ul style="list-style-type: none"> • Research Methods
Feb. 2017 – July 2017	<p>BSc Studies in Economics</p> <ul style="list-style-type: none"> • Statistical Data Analysis II

3.7. Adjunct Faculty, Department of Veterinary, Aristotle University of Thessaloniki

Feb. 2013 – Jul. 2016

MSc Studies in Companion Animal Medicine & Companion Animal Surgery

- Biostatistics & Research Methods
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3.8. Adjunct Faculty, Eastern Macedonia & Trace Institute of Technology

Department of Petroleum, Natural Gas and Mechanical Engineering

- Ac. Yr. 2005 – 06 (Fall/Spring) • Mathematics I
- Ac. Yr. 2006 – 07 (Fall/Spring)
- Ac. Yr. 2007 – 08 (Fall/Spring)
- Ac. Yr. 2008 – 09 (Fall)
- Ac. Yr. 2009 – 10 (Fall/Spring)
- Ac. Yr. 2011 – 12 (Fall)
- Ac. Yr. 2012 – 13 (Fall)
- Ac. Yr. 2004 – 05 (Fall/Spring) • Mathematics II
- Ac. Yr. 2009 – 10 (Fall/Spring)
- Ac. Yr. 2010 – 11 (Fall/Spring)
- Ac. Yr. 2011 – 12 (Spring)
- Ac. Yr. 2012 – 13 (Spring)
- Ac. Yr. 2006 – 07 (Fall/Spring) • Statistical Analysis
- Ac. Yr. 2007 – 08 (Fall/Spring)
- Ac. Yr. 2008 – 09 (Fall/Spring)
- Ac. Yr. 2012 – 13 (Spring)
- Ac. Yr. 2004 – 05 (Fall/Spring) • Informatics I
- Ac. Yr. 2005 – 06 (Fall/Spring)
- Ac. Yr. 2006 – 07 (Fall/Spring)
- Ac. Yr. 2011-12 (Spring) • Informatics II

Department of Electrical Engineering

- Ac. Yr. 2005 – 06 (Fall/Spring) • Tools for Informatics
- Ac. Yr. 2006 – 07 (Fall/Spring)
- Ac. Yr. 2007 – 08 (Fall/Spring)
- Ac. Yr. 2011 – 12 (Fall) • Mathematics I
- Ac. Yr. 2012 – 13 (Fall)
- Ac. Yr. 2010 – 11 (Fall/Spring) • Mathematics II
- Ac. Yr. 2011 – 12 (Spring)
- Ac. Yr. 2010 – 11 (Fall/Spring) • Mathematics III
- Ac. Yr. 2009 – 10 (Fall/Spring) • Informatics I
- Ac. Yr. 2012 – 13 (Spring) • Programming

Department of Business Administration

- Ac. Yr. 2011 – 12 (Fall) • Quantitative Methods in Business Administration
- Ac. Yr. 2012 – 13 (Fall)
- Ac. Yr. 2007 – 08 (Fall/Spring) • Introduction in Statistics for Business Administration
- Ac. Yr. 2008 – 09 (Fall/Spring)
- Ac. Yr. 2011 – 12 (Fall)
- Ac. Yr. 2012 – 13 (Fall)

- Ac. Yr. 2014 – 15 (Fall) • Research Methods
Ac. Yr. 2015 – 16 (Fall)
Ac. Yr. 2016 – 17 (Fall)
Ac. Yr. 2017 – 18 (Fall)

Department of Accounting & Finance

- Ac. Yr. 2008 – 09 (Fall/Spring) • Statistics for Business Administration
Ac. Yr. 2016 – 17 (Spring) • Applied Statistics

MSc Programme in Innovation in Technology & Entrepreneurship, Department of Electrical Engineering

- Ac. Yr. 2015 – 16 (Fall) • Research Methodology and Innovation Transfer from the Research
Ac. Yr. 2016 – 17 (Fall) Activity to the Industry
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4. Publications

4.1. Journals

- J1. **MITTAS N.**, ATHANASIADES M., ANGELIS L. (2008). Improving Analogy – Based Software Cost Estimation by a Resampling Method. *Information and Software Technology* (Elsevier) 50, 221–230 (IF: 3.862).
- J2. **MITTAS N.**, ANGELIS L. (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 (IF: 3.514).
- J3. **MITTAS N.**, ANGELIS L. (2010). Visual Comparison of Software Cost Estimation Models by Regression Error Characteristic Analysis. *Journal of Systems and Software* (Elsevier), 83, 621-637 (IF: 3.514).
- J4. **MITTAS N.**, ANGELIS L. (2010). LSEbA: Least Squares Regression and Estimation by Analogy in a Semi-Parametric Model for Software Cost Estimation. *Empirical Software Engineering* (Springer), 15 (5), 523-555 (IF: 3.762).
- J5. **MITTAS N.**, ANGELIS L. (2012). A Permutation Test based on Regression Error Characteristic Curves for Software Cost Estimation Models. *Empirical Software Engineering* (Springer). Special Issue on Repeatable Results in Effort Estimation, 17 (1-2), 34-61 (IF: 3.762).
- J6. **MITTAS N.** (2012). Evaluating the Performances of Software Cost Estimation Models through Prediction Intervals. *Journal of Engineering Science and Technology Review*, 4(3), 266-270.
- J7. **MITTAS N.**, ANGELIS L. (2013). Ranking and Clustering Software Cost Estimation Models through a Multiple Comparisons Algorithm. *IEEE Transactions on Software Engineering*, 39(4), 537-551 (IF: 9.322).
- J8. **MITTAS N.**, MAMALIKIDIS I., ANGELIS L. (2015). A Framework for Comparing Multiple Cost Estimation Methods using an Automated Visualization Toolkit. *Information and Software Technology* (Elsevier), 57, 310-328 (IF: 3.862).
- J9. **MITTAS N.**, PAPTACHOCHAROUS E., ANGELIS L., ANDREOU A. (2015). Integrating Non-parametric Models with Linear Components for Producing Software Cost Estimations. *Journal of Systems and Software* (Elsevier), 99, 120-134 (IF: 3.514).
- J10. BOHLOULI M., **MITTAS N.**, KAKARONTZAS G., THEODOSIOU T., ANGELIS L., FATHI M. (2017). Competence Assessment as an Expert System for Human Resource Management: A Mathematical Approach. *Expert Systems with Applications* (Elsevier), 70, 83-102 (IF: 8.665).
- J11. PAPOUTSOGLIOU M., AMPATZOGLIOU A., **MITTAS N.**, ANGELIS L. (2019). Extracting Knowledge from on-line Sources for Software Engineering Labor Market: A Mapping Study. *IEEE Access*, 7, 157595-157613 (IF: 3.746).
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- J12. **MITTAS N.**, ANGELIS L. (2020). Data-driven Benchmarking in Software Development Effort Estimation: The Few Define the Bulk. *Journal of Software: Evolution and Process* (Wiley), e2258 (IF: 1.864).
- J13. TASSIS, P., TSAKMAKIDIS I., NAGL V., REISINGER N., TZIKA E., GRUBER-DORNINGER C., MICHOS I., **MITTAS N.**, BIASOURA A., SCHATZMAYR D. (2020). Individual and Combined In Vitro Effects of Deoxynivalenol and Zearalenone on Boar Semen. *Toxins* (MDPI), 12(8), 495 (IF: 5.075).
- J14. ORFANIDIS S., PAPATHANASIOU V., **MITTAS N.**, THEODOSIOU T., RAMFOS A., TSIOLI S., KOSMIDOU M., KAFAS A., MYSTIKOU A., PAPADIMITRIOU A. (2020). Further improvement, validation, and application of CymoSkew biotic index for the ecological status assessment of the Greek coastal and transitional waters. *Ecological Indicators* (Elsevier), 118, 106727 (IF: 6.263).
- J15. AMANATIDIS T., **MITTAS N.**, MOSCHOU A., CHATZIGEORGIOU A., AMPATZOGLOU A., ANGELIS L. (2020). Evaluating the agreement among technical debt measurement tools: building an empirical benchmark of technical debt liabilities. *Empirical Software Engineering* (Springer), 1-44 (IF: 3.762).
- J16. AMPATZOGLOU A., **MITTAS N.**, TSINTZIRA A., AMPATZOGLOU A., ARVANITOU E., CHATZIGEORGIOU A., AVGERIOU P., ANGELIS L. (2020). Exploring the Relation between Technical Debt Principal and Interest: An Empirical Approach. *Information and Software Technology* (Elsevier), 128, 106391 (IF: 3.862).
- J17. SPANOS T., **MITTAS N.**, CHATZICHRISTOU C., DERMENTZIS K., TOPI V., SPANOU D., ENE A., BOGDEVICI O., TEODOROF L., ZUBCOV E. (2021). Evaluation of Potable Groundwater Quality Using Environmetrics. The case of Nestos and Strymon River Regions, Northern Greece. *Journal of Engineering Science and Technology Review*, 4(1), 114-118.
- J18. TSIOURIS V., TASSIS P., RAJ J., MANTZIOS T., KISKINIS K., VASILEVIC M., DELIC N., PETRIDOU E., BRELLOU G., POLIZOPOULOU Z., **MITTAS N.**, GEORGOPOULOU I. (2021). Investigation of a Novel Multicomponent Mycotoxin Detoxifying Agent in Amelioration of Mycotoxicosis Induced by Aflatoxin-B1 and Ochratoxin A in Broiler Chicks. *Toxins* (MDPI), 13(6), 367 (IF: 5.075).
- J19. VIZIRIANAKIS I., CHATZOPOULOU F., PAPAOGLOU A., KARAGIANNIDIS E., SOFIDIS G., STALIKAS N., STEFOPOULOS C., KYRITSIS K., **MITTAS N.**, THEODOROULA N., LAMPRI A., MEZARLI E., KARTAS A., CHATZIDIMITRIOU D., PAPPA-KONIDARI A., ANGELIS L., KARVOUNIS H., SIANOS G. (2021). The GEnetic Syntax Score: A Genetic Risk Assessment Implementation Tool Grading the Complexity of Coronary Artery Disease. Rationale and Design of the GESS Study. *BMC Cardiovascular Disorders*, 21(1), 1-9 (IF: 2.174).
- J20. WONG W., **MITTAS N.**, ARVANITOU E., Li Y. (2021). A Bibliometric Assessment of Software Engineering Themes, Scholars and Institutions (2013-2020). *Journal of Systems and Software*, 180, 111029 (Elsevier) (IF: 3.514).
- J21. GEORGIU K., **MITTAS N.**, MAMALIKIDIS I., MITROPOULOS A., ANGELIS L. (2021). Analyzing the Roles and Competence Demand for Digital Human Capital in Oil and Gas 4.0 Era. *IEEE Access*, 9, 151306-141326 (IF: 3.746).
- J22. TSOUKALAS D., **MITTAS N.**, CHATZIGEORGIOU A., KEHAGIAS D., AMPATZOGLOU A., AMANATIDIS T., ANGELIS L. (2021). Machine Learning for Technical Debt Identification. *IEEE Transactions on Software Engineering* (IF: 9.322).
- J23. GEORGIU K., **MITTAS N.**, CHATZIGEORGIOU A., ANGELIS L. (2021) An Empirical Study of COVID-19 related Posts on Stack Overflow: Topics and Technologies. *Journal of Systems and Software*, 182, 111089 (Elsevier) (IF: 3.514).
24. **MITTAS N.**, CHATZOPOULOU F., KYRITSIS K., PAPAGIANNOPOULOS C., THEODOROULA N., PAPAOGLOU A., KARAGIANNIDIS E., SOFIDIS G., MOYSIDIS D., STALIKAS N., PAPA A., CHATZIDIMITRIOU D., SIANOS G., ANGELIS L., VIZIRIANAKIS I. (2022). A Risk-Stratification Machine Learning Framework for the Prediction of Coronary Artery Disease Severity: Insights from the GESS Trial. *Frontiers in cardiovascular medicine*, 8, 812182 (IF: 5.846).
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25. CHATZOPOULOU F., KYRITSIS K., PAPAGIANNOPOULOS C., GALATOU C., **MITTAS N.**, THEODOROULA N., PAPAZOGLU A., KARAGIANNIDIS E., CHATZIDIMITRIOU M., PAPA A., SIANOS G., ANGELIS L., CHATZIDIMITRIOU D., VIZIRIANAKIS I. (2022). Dissecting miRNA–Gene Networks to Map Clinical Utility Roads of Pharmacogenomics-Guided Therapeutic Decisions in Cardiovascular Precision Medicine. *Cells*, 11(4), 607 (MDPI) (IF: 7.666).
26. TASSIS P., REISINGER N., NAGL V., TZIKA, E., SCHATZMAYR D., **MITTAS N.**, BASIOURA A., MICHOS I., TSAKMAKIDIS I. (2022). Comparative Effects of Deoxynivalenol, Zearalenone and Its Modified Forms De-Epoxy-Deoxynivalenol and Hydrolyzed Zearalenone on Boar Semen In Vitro. *Toxins*, 14(7), 497 (MDPI) (IF: 5.075).
27. **MITTAS N.**, MITROPOULOS A. (2022). A Data-Driven Framework for Probabilistic Estimates in Oil and Gas Project Cost Management: A Benchmark Experiment on Natural Gas Pipeline Projects. *Computation*, 10(5), 75 (MDPI) (Tracked for IF).
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4.2. Book Chapters

- B1. ANGELIS L., SENTAS P., **MITTAS N.**, CHATZIPETROU P. (2010). Methods for Statistical and Visual Comparison of Imputation Methods for Missing Data in Software Cost Estimation. In *Modern Software Engineering Concepts and Practices: Advanced Approaches*, Idea Group Inc. Publishing.
- B2. ANGELIS L., **MITTAS N.**, CHATZIPETROU P. (2014). A Framework of Statistical and Visualization Techniques for Missing Data Analysis in Software Cost Estimation. In *Handbook of Research on Innovations in Systems and Software Engineering*, Idea Group Inc. Publishing.
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4.3. International Conferences

- C1. BIBI M., **MITTAS N.**, ANGELIS L., STAMELOS I., MENDES E. (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, pp. 77-86.
- C2. **MITTAS N.**, ANGELIS L. (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.
- C3. DIMOKAS N., **MITTAS N.**, NANOPOULOS A., ANGELIS L. (2008). A Prototype System for Educational Data Warehousing and Mining. *IEEE 12th Pan-Hellenic Conference on Informatics with International Participation PCI 2008* August 2008, Samos, Greece.
- C4. **MITTAS N.**, ANGELIS L. (2008). Comparing Software Cost Prediction Models by a Visualization Tool. *34th EUROMICRO Conference on Software Engineering and Advanced Applications (SEAA)*, September 2008, Parma, Italy, Proceedings published by IEEE, pp. 433-440.
- C5. **MITTAS N.**, ANGELIS L. (2008). Combining Regression and Estimation by Analogy in a Semi-parametric Model for Software Cost Estimation. *Second ACM/IEEE International Symposium on Empirical Software Engineering and Measurement ESEM'08*, October 9–10, 2008, Kaiserslautern, Germany, Proceedings published by ACM, pp. 70-79.
- C6. **MITTAS N.**, ANGELIS L. (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.
- C7. **MITTAS N.**, ANGELIS L. (2009). Bootstrap Prediction Intervals for a Semi-Parametric Software Cost Estimation Model. *IEEE 35th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2009)*, 27-29 August, 2009, Patras, Greece, Proceedings published by IEEE, pp. 293-299.
- C8. **MITTAS N.**, KOSTI M., ARGYROPOYLOY V., ANGELIS L. (2010). Modeling the Relationship between Software Effort and Size Using Deming Regression. *ACM 6th International Conference on Predictive Models in Software*
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Engineering, September 12-13, 2010, Timisoara, Romania, Proceedings published by ACM, pp. 7-14.

C9. KOSTI M., **MITTAS N.**, ANGELIS L. (2010). DD-EbA: An Algorithm for Determining the Number of Neighbors in Cost Estimation by Analogy Using Distance Distributions. *3rd Workshop on Artificial Intelligence, Techniques in Software Engineering (AISEW 2010)* at the 6th IFIP Conference on Artificial Intelligence Applications and Innovations, 6-7 October, 2010, Larnaca, Cyprus.

C10. HAMDAN K., ANGELIS L. **MITTAS N.** (2010). Estimating learning by analogy: A case study in the UAE university. *International Conference of Education, Research and Innovation (ICERI 2010)*, November 15-17, 2010, Madrid, Spain, pp. 4865-4871.

C11. **MITTAS N.**, MAMALAKIDIS I., ANGELIS L. (2012). StatREC: A Graphical User Interface Tool for Visual Hypothesis Testing of Cost Prediction Models. *ACM 8th International Conference on Predictive Models in Software Engineering*, Sept 21-22, 2012, Lund, Sweden, ACM Proceedings, pp. 39-48.

C12. KOSTI M., **MITTAS N.**, ANGELIS L. (2012). Alternative methods using similarities in software effort estimation. *ACM 8th International Conference on Predictive Models in Software Engineering*, Sept 21-22, 2012, Lund, Sweden, ACM Proceedings, pp. 59-68.

C13. **MITTAS N.**, ANGELIS L. (2013). Overestimation and Underestimation of Software Cost Models: Evaluation by Visualization. *IEEE 39th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2013)*, Santander, Spain, September 4-6, IEEE Proceedings, pp. 317-324.

C14. AZHAR, D., RIDDLE, P., MENDES, E., **MITTAS N.**, ANGELIS L. (2013) Using Ensembles for Web Effort Estimation. *ACM / IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM)*, Baltimore, Maryland, USA, October 10-11, IEEE Proceedings, pp. 173-182.

C15. **MITTAS N.**, ANGELIS L. (2014). Benchmarking Effort Estimation Models Using Archetypal Analysis. *ACM 10th International Conference on Predictive Models in Software Engineering*, September 17, Turin, Italy, ACM Proceedings, pp. 62-71. (**Best Paper Award**).

C16. **MITTAS N.**, KAKARONZTAS G., BOHLOULI M., STAMELOS I., FATHI M., ANGELIS L. (2015). ComProFITS: A Web-based Platform for Human Resources Competence Assessment. *IEEE 6th International Conference on Information, Intelligence, Systems and Applications (IISA 2015)*, Corfu, Greece, July 6-8, 2015, IEEE Proceedings, pp. 1-6.

C17. **MITTAS N.**, ANGELIS L. (2016). Managing the Uncertainty of Bias-Variance Tradeoff in Software Predictive Analytics. *IEEE 42th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2016)*, Limassol, Cyprus, August 31-September 2, 2016, IEEE Proceedings, pp. 351-358.

C18. PAPOUTSOGLU M., **MITTAS N.**, ANGELIS L. (2017). Mining People Analytics from StackOverflow Job Advertisements. *IEEE 43th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2017)*, Vienna, Austria, August 30-September 1.

C19. AMANATIDIS T., **MITTAS N.**, CHATZIGEORGIOU A., AMPATZOGLOU A., ANGELIS L. (2018). The Developer's Dilemma: Factors Affecting the Decision to Repay Code Debt. *International Conference on Technical Debt (TechDebt 2018)*, Gothenburg, Sweden, May 27-May 28.

C20. PAPOUTSOGLU M., KAPITSAKI G., **MITTAS N.** (2018). Linking Personality Traits and Interpersonal Skills to Gamification Awards. *IEEE 44th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2018)*, Prague, Czech Republic, August 29-31.

C21. SPANOS T., **MITTAS N.**, CHATZICHRISTOU C., MITKIDOU S., DERMENTZIS K., KOKKINOS N., TOPI V., SPANOU D., ENE A., BOGDEVICI O., ZUBCOV E., TEODOROF L. (2020). Evaluation of Groundwater Quality through Environmetrics. The Case of Nestos and Strymon River Regions. In *MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin"*, Kavala, Greece, September 8-11.

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- C22. KAMPANTAIS E., **MITTAS N.**, MITKIDOU S., KOKKINOS N., BABOUKI D., NTAKAKI D., T. SPANOS, CHATZICHRISTOU C. (2020). Chemometric Analysis on Arsenic Contamination of Surface Water in Kavala Prefecture. In *MONITOX International Conference "Environmental Toxicants in Freshwater and Marine Ecosystems in the Black Sea Basin"*, Kavala, Greece, September 8-11.
- C23. GEORGIU K., **MITTAS N.**, ANGELIS L., CHATZIGEORGIU A. (2020). A preliminary Study of Knowledge Sharing related to Covid-19 Pandemic in Stack Overflow. *IEEE 46th Euromicro Conference on Software Engineering and Advanced Applications* (SEAA 2020), Protoroz, Slovenia, August 26-28.
- C24. CHARMANAS K., **MITTAS N.**, ANGELIS L. (2020). Ensemble Software Development Effort Estimation Using Data Envelopment Analysis. *ACM 24th Pan-Hellenic Conference on Informatics with International Participation*, PCI 2020 November 2020, Athens, Greece.
- C25. APATSIDIS I., GEORGIU K., **MITTAS N.**, ANGELIS L. (2021). A Study of Remote and On-site ICT Labor Market Demand using Job Offers from Stack Overflow. *IEEE 47th Euromicro Conference on Software Engineering and Advanced Applications* (SEAA 2021), Palermo, Italy, September 1-3.
- C26. STAKOULAS K., GEORGIU K., **MITTAS N.**, ANGELIS L. (2021). An Analysis of User Profiles from Covid-19 Questions in Stack Overflow. *ACM 25th Pan-Hellenic Conference on Informatics with International Participation*, PCI 2021 November 2021, Volos, Greece, pp. 419-424.
- C27. CHARMANAS K., **MITTAS N.**, ANGELIS L. (2021). Predicting the Existence of Exploitation Concepts Linked to Software Vulnerabilities Using Text Mining. *ACM 25th Pan-Hellenic Conference on Informatics with International Participation*, PCI 2021 November 2021, Volos, Greece, pp. 352-356.
- C28. TSOUKALAS D., CHATZIGEORGIU A., AMPATZOGLOU A., **MITTAS N.**, KEHAGIAS D. (2022). TD classifier: automatic identification of Java classes with high technical debt. *ACM Proceedings of the International Conference on Technical Debt*, TechDebt 22, pp. 76-80.
- C29. ICHTSIS A., **MITTAS N.**, AMPATZOGLOU A., CHATZIGEORGIU A. (2022). Merging Smell Detectors: Evidence on the Agreement of Multiple Tools. *ACM Proceedings of the International Conference on Technical Debt*, TechDebt 22, pp. 61-65.
- C30. NIKOLAIDIS N., ZISIS D., AMPATZOGLOU A., **MITTAS N.**, CHATZIGEORGIU A. (2022). Using Machine Learning to Guide the Application of Software Refactorings: A Preliminary Exploration. *ACM Proceedings of the 6th International Workshop on Machine Learning Techniques for Software Quality Evaluation MaTeSQuE 2022*, collocated with ESEC/FSE 2022, Singapore.
- C31. PAPAGEORGIADIS K., GEORGIU K., CHARMANAS K., **MITTAS N.**, ANGELIS L. (2022). COVID-Vis: Visualizing knowledge exchange on scientific software development in the COVID-19 era. *ACM 26th Pan-Hellenic Conference on Informatics with International Participation*, PCI 2022 November 2022, Athens, Greece.

4.4. National Conferences

- G1. **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*, April 26-29, Kastoria, Greece, 2006 (In Greek).
- G2. **MITTAS N.**, L. ANGELIS (2009). Graphical comparison of software cost estimation models with regression error characteristic analysis. *22nd Panhellenic Conference in Statistics*, April 22-26, Chania, Greece (In Greek).
- G3. **MITTAS N.**, FLOROU G., POLYCHRONIDOU P. (2009). Examination of Duration of Studies for the Accounting Department of the Technological Institution of Kavala through Survival Analysis. *22nd Panhellenic Conference in Statistics*, April 22-26, Chania, Greece (In Greek).
- G4. POLYCHRONIDOU P., **MITTAS N.**, FLOROU G. (2009). Factors that Affect the Duration of Studies of the

Accounting Department of the Technological Institution of Kavala. *5th Pan-Hellenic Data Analysis Conference with International Participation*, September 10-12, Rethimno.

G5. SALTAS B., KONGUETSO A., KALAMBAKAS A., POLYCHRONIDOU P., **MITTAS N.**, TSIANTOS B. (2010). Evaluation of the Skills for the 1st year Students in Mathematics for the Department of Petroleum Technology and Natural Gas of Technological Educational Institute of Kavala, *23rd Panhellenic Conference in Statistics*, Veria, Greece (In Greek).

G6. TSIANTOS V., KAPENIS K., PATSILIAS G., **MITTAS N.**, CHATZIFOTIOU S. The utilization of Video in Mathematics Teaching. A Case Study in Teaching “Calculus II” in the Department of Computer Engineering of Technological Education Institute of Kavala. *2nd Panhellenic Conference in Multimedia Technology in Education*, March 28-30, 2011, Patra, Greece (In Greek).

5. Research Experience

Mar. 2019 – June 2020	Aristotle University of Thessaloniki , School of Informatics
Nov. 2020 – Dec. 2020	Development of a Genetic Risk Assessment Implementation Tool (GEnetic Syntax Score) grading the Complexity of Coronary Artery Disease <ul style="list-style-type: none">• Statistical analysis of clinical and epidemiological data• Development of online web-interface “GESScore calculator”
Feb. 2021 – June 2021	
Nov. 2017 – March 2018	Aristotle University of Thessaloniki , School of Informatics
	Improving Innovation and Entrepreneurship Competencies of Iranian Higher Education Graduates through Data Analytics <ul style="list-style-type: none">• Preparation of Course Material and Teaching
Feb. 2016 – June 2016	Aristotle University of Thessaloniki , School of Informatics
Oct. 2016 – Dec. 2016	Competence Oriented Multilingual Adaptive Assessment and Training System-COMALAT) <ul style="list-style-type: none">• Statistical Data Analysis
Jan. 2017 – July 2017	
March 2017	Aristotle University of Thessaloniki , Department of Veterinary Medicine, Clinic of Farm Animals <ul style="list-style-type: none">• Statistical Analysis for Clinical Trials
Feb. 2017	
Sep. 2016	
June 2016	
Dec. 2015	
Nov. 2015	Aristotle University of Thessaloniki , School of Informatics
Oct. 2015	
March 2015	
Oct. 2013	
Feb. 2014 – July 2014	Competency Profiling Framework for IT Sector in Spain-ComProfITS <ul style="list-style-type: none">• Study on mathematical tools• Statistical data analysis & platform development
Oct. 2014 – Dec. 2014	
Feb. 2015 – Apr. 2015	
Dec. 2015	Fisheries Research Institute, National Agricultural Research Foundation <ul style="list-style-type: none">• Development of R platform for Statistical Analysis of Biomedical Data

Nov. 2014	Cyprus University of Technology Department of Environmental Sciences & Technology
	<ul style="list-style-type: none"> • Statistical Data Analysis
March 2014 – May 2014	Cyprus University of Technology , Department of Agricultural Sciences, Biotechnology and Food Science
	Department of Agricultural Sciences, Biotechnology and Food Science
	<ul style="list-style-type: none"> • Statistical Data Analysis & R Development
June 2014 – July 2014	Cyprus University of Technology , Department of Hotel & Tourism Management
	<ul style="list-style-type: none"> • Statistical Data Analysis
Apr. 2012 – Apr. 2013	Cyprus University of Technology , Department of Hotel & Tourism Management
	<ul style="list-style-type: none"> • Statistical Analysis with Structural Equation Modeling
July 2012	Cyprus University of Technology , Department of Electrical Engineering, Computer Engineering and Informatics
June 2011 – Aug. 2011	
	<ul style="list-style-type: none"> • Statistical Data Analysis in Software Engineering
Sep. 2007 – Nov. 2007	Aristotle University of Thessaloniki , School of Informatics
	Statistical Data Analysis for the Identification of Educational Needs for Providential Sector
	<ul style="list-style-type: none"> • Data Entry
March 2007 – Feb. 2008	Aristotle University of Thessaloniki , School of Informatics
	Reformation of Undergraduate Studies for Department of Informatics
	<ul style="list-style-type: none"> • Statistical Data Analysis
Nov. 2006 – Dec. 2006	Aristotle University of Thessaloniki , School of Informatics
	Software quality observatory for open-source software SQO-OSS & Free/libre/open source software metrics and benchmarking study
	<ul style="list-style-type: none"> • Statistical Data Analysis
Apr. 2006 – July 2006	Aristotle University of Thessaloniki , School of Informatics
June 2007	
Apr. 2008 – July 2008	Services for interconnection of undergraduate and postgraduate students with labor market
Apr. 2009 – July 2009	
	<ul style="list-style-type: none"> • Technical Support

6. Research & Academic Activity

6.1. Co-supervisor of PhD Students

- Georgiou K., *Statistical Methods for Data Analysis of Human Factor in Software Development*, School of Informatics, Aristotle University of Thessaloniki (22/06/2020-today)
- Charmanas K., *Statistical Methods for Data Analysis of Textual Data in Software Engineering*, School

of Informatics, Aristotle University of Thessaloniki (23/11/2020-today)

- Nikolaidis N., *Technical Debt Management in Modern Software Applications*, Department of Applied Informatics, University of Macedonia (17/06/2021-today)

6.2. Member of PhD Examination Committees

- Amanatidis T., A Study on the Evolution of Software Quality and Technical Debt in Open Source Applications, Department of Applied Informatics, University of Macedonia, examination date 02/06/2020

6.3. Reviewer of Scientific Journals

- IEEE Transactions on Software Engineering (IEEE)
- IEEE Software (IEEE)
- Empirical Software Engineering (Springer)
- Software Quality Journal (Springer)
- Information and Software Technology (Elsevier)
- Journal of Systems and Software (Elsevier)
- Journal of Petroleum Science and Engineering (Elsevier)
- Environmental Science and Pollution Research (Springer)
- Journal of Software: Evolution and Process (Wiley)
- Computation (MDPI)
- e-Informatica
- Journal of Engineering and Technology Review

6.4. Program Committees

- Program Committee of CISE 2011: 1st International Workshop on Computational Intelligence in Software Engineering, September 15-18, 2011, Corfu, Greece
- Program Committee of CISE 2012: 2nd International Workshop on Computational Intelligence in Software Engineering, September 27-30, 2012, Halkidiki, Greece
- Program Committee of the 9th IFIP WG 12.5 International Conference on Artificial Intelligence Applications and Innovations, September 30-October 2, 2013, Paphos, Cyprus
- Program Committee of APSIS 2014 - 1st International Workshop on Advanced Probability and Statistics in Information Systems part of the CAISE 2014 International Workshops in Advanced Information Systems Engineering, June 16-20, Thessaloniki, Greece
- Program Committee of the 9th EAI International Conference on Bio-inspired Information and Communications Technologies (formerly BIONETICS), December 3–5, 2015, New York City, New York, United States
- Program Committee of the 15th IEEE International Conference on Machine Learning and Applications (IEEE ICMLA'16), Special Session on Machine Learning for Predictive Models in Engineering Applications (MLPMEA 2016), Anaheim, USA. 18-20 December 2016
- Program Committee of the 43th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2017), Conference Track: Software management: Measurement, Peopleware and Innovation (SM), Vienna, Austria, August 30-September 1
- Program Committee of the 44th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2018), Conference Track: Software management: Measurement, Peopleware and Innovation (SM), Prague, Czech Republic, August 29-31
- Program Committee of the 18th International SPICE Conference Process Improvement and Capability dEtermination

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- Member of Local Organizing Committee of the 45th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2019), Kalithea, Chalkidiki, August 28-30
 - Program Committee of the 47th Euromicro Conference on Software Engineering and Advanced Applications (SEAA 2019), Special Session: Software Analytics: Mining Software Open Datasets and Repositories (STREAM), Palermo, Italy, September 1-3
 - Program Committee of the 5th International Workshop on Machine Learning Techniques for Software Quality Evolution (MaLTeSQuE 2021) co-located with ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), Athens, Greece, August 2021.
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6.5. Citations

- Citations Scholar Google (last update November 2022): 1064
- h-index Scholar Google (last update November 2022): 15
- i10-index Scholar Google (last update November 2022): 25
- Citations Scopus (last update November 2022): 657
- h-index Scopus (last update November 2022): 13