PANAGIOTIS TSIAMYRTZIS

Associate Professor	Parallel employment
Department of Statistics	Associate Professor
Athens University of Economics & Business, &	Department of Mechanical Engineering
Athens, Greece	Politecnico di Milano, Italy

Business Address

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Appointments

2022 –	**Tenured Associate Professor,** AUEB, Dept. of Statistics and parallel employment at Politecnico di Milano, Dept. of Mechanical Eng.
2019 – 2022	**Tenured Associate Professor,** Politecnico di Milano, Dept. of Mechanical Eng. (leave of absence from AUEB)
2014 – 2019	**Tenured Associate Professor,** AUEB, Dept. of Statistics
2014 – 2017	**Research Associate Professor**, University of Houston, Dept. of Computer Science
2011 – 2014	**Research Assistant Professor**, University of Houston, Dept. of Computer Science
2009 – 2014	**Assistant Professor,** Athens University of Economics and Business, Dept. of Statistics
2007 – 2011	**Adjunct Assistant Professor**, University of Houston, Dept. of Computer Science
2004 – 2009	**Lecturer**, Athens University of Economics and Business, Dept. of Statistics
2001 – 2004	**Visiting Lecturer**, Athens Univ. of Economics and Business, Dept. of Statistics
2000 – 2001	**Military Service**, Greek Army (compulsory service)
2000 – 2000	**Visiting Assistant Professor**, University of Minnesota, School of Statistics
1999 – 1999	**Student Intern**, Honeywell Labs, Minneapolis, Minnesota
1998 – 1999	**Instructor**, University of Minnesota, School of Statistics

Degrees

University of Minnesota, School of Statistics, Twin Cities, Minnesota
Ph.D. in Statistics, 1997–2000 (DIKATSA: 07 June 2002).
Title: "A Bayesian Approach to Quality Control Problems". Advisor: Douglas M. Hawkins.
Committee: Seymour Geisser (Chair), Bradley P. Carlin, Charles Geyer.

University of Minnesota, School of Statistics, Twin Cities, Minnesota
M.Sc. in Statistics, 1995–1997 (DIKATSA: 07 June 2002).

Aristotle University of Thessaloniki, Dept. of Mathematics, Thessaloniki, Greece
B.Sc. in Mathematics, 1990–1994.

Research Interests

- Statistical Methodology focused in:
    - o Bayesian Statistical Process Control and Monitoring
    - o Statistical Problems in Additive Manufacturing
    - o Statistical Aspects of Affective Computing and Medical Imaging Problems

Research Awards

1. Winner along with the coauthors K. Bourazas and F. Sobas of the "2024 Brumbaugh Award", for the paper "Predictive Ratio Cusum (PRC): A Bayesian Approach in Online Change Point Detection of Short Runs", published in 2023 in Journal of Quality Technology, Vol. 55, NO. 4, 391–403. This award has been presented since 1949 annually, for the paper making the largest single contribution to the development of industrial application of quality control: https://asq.org/about-asq/asq-awards/honors/brumbaugh.

2. Winner of the "Best Paper Award" of the Technical Committee on Computational Life Sciences (TCCLS), 2023 IEEE International Symposium on Computer-Based Medical Systems (CBMS).

3. Winner of the "Best Talk Award", at the ENBIS 7 (European Network for Business and Industrial Statistics), Dortmund, Germany, September 2007.

4. Winner of the "Best Contributed Paper Award" of the American Statistical Association, Section of Risk Analysis, Indianapolis, August 2000 (http://community.amstat.org/riskanalysissection/awards/studentaward/previouswinners).

5. Winner of the "Best Student Paper Award" of the American Statistical Association, Section of Risk Analysis, Indianapolis, August 2000 (https://community.amstat.org/riskanalysissection/awards/new-item/new-item2).

6. Student Travel Award from the "Joint Research Conference on Statistics in Quality, Industry and Technology", Seattle, June 2000.

7. University of Minnesota, School of Statistics, Spring Semester Fellowship, March 1996.

Teaching Awards

1. "Excellence in Teaching Award 2018-19" from the Athens University of Economics and Business as top rated (by undergraduate students) faculty member from dept. of Statistics.

2. "High Teaching Performance Award 2016-17" from the MSc in Business Analytics, Athens University of Economics and Business as top rated (by graduate students) faculty member of the program.

Publications

Book Contributions

B05. M.L.G. Grasso and P. Tsiamyrtzis (2024), "Bayesian Multimodal Data Analytics: An Introduction", in Multimodal and Tensor Data Analytics for Industrial Systems Improvement. Editors: N. Gaw, N., P. M. Pardalos, M.R. Gahrooei, Series: Springer Optimization and Its Applications, vol 211, pp. 347-355.

B04. J. Dowdall, I. Pavlidis, and P. Tsiamyrtzis (2009), "Coalitional Tracker for Deception Detection in Thermal Imagery", in Augmented Vision Perception in Infrared: Algorithms and Applied Systems, Series: Advances in Pattern Recognition, editor: Hammoud, R. I., Springer, Chapter 5, pp. 113-136.

B03. P. Tsiamyrtzis and D.M. Hawkins (2007), "Bayesian Statistical Process Control", in Encyclopedia of Statistics in Quality and Reliability, editors: F. Ruggeri, F. Faltin and R. Kenett, John Wiley & Sons, Ltd.

B02. P. Tsiamyrtzis and D.M. Hawkins, (2006), "A Bayesian Approach to Statistical Process Control", in Bayesian Monitoring, Control and Optimization, editors: B. M. Colosimo and E. Del Castillo, Chapman and Hall/CRC Press Inc. Chapter 3, pp. 87-107.

B01. I. Pavlidis, P. Tsiamyrtzis, C. Manohar, and P. Buddharaju, (2006), "Biometrics: face recognition in thermal infrared", in Biomedical Engineering Handbook, editor: J. D. Bronzino, CRC Press, Chapter 29, pp. 1-16.

Papers in Refereed Journals

J50. V. Zhukov, A. M. Petersen, D. Dukes, D. Sander, P. Tsiamyrtzis, I. Pavlidis (2024), "Science convergence in affective research is associated with impactful multidisciplinary appeal rather than multidisciplinary content", in Communications Psychology 2 (1), 83.

J49. M. Javadi, R. Sharma, P. Tsiamyrtzis, A. G. Webb, E. Leiss, N. V. (2024), "Let UNet Play an Adversarial Game: Investigating the Effect of Adversarial Training in Enhancing Low-Resolution MRI" in Journal of Imaging Informatics in Medicine, pp. 1-17 *[Impact Factor: **4.2**]*.

J48. S. Basha, M. Khorasani, N. Abdurahiman, J. Padhan, V. Baez, A. Al-Ansari, P. Tsiamyrtzis, A. T. Becker, N. V. Navkar (2024), "An Actuated Variable-View Rigid Scope System to Assist Visualization in Diagnostic Procedures", in IEEE Journal of Translational Engineering in Health and Medicine, Vol. 12, 499-507 *[Impact Factor:**3.3.16**]*.

J47. P. Meijer, F. Sobas and P. Tsiamyrtzis (2024), "Assessment of accuracy of laboratory testing results, relative to peer group consensus values in external quality control, by bivariate z-score analysis: the example of D-Dimer" in Clinical Chemistry and Laboratory Medicine (CCLM) *[Impact Factor:**6.8**]*.

J46. P. Tsiamyrtzis (2024), "Introduction to bayesian inference and its application in medical biology" in Annales de Biologie Clinique, Vol. 82, Iss. 1, pp. 122-122 (Summary of the 32nd national meeting of the Collège National de Biochimie des Hôpitaux).

J45. S. Basha, M. Khorasani, N. Abdurahiman, J. Padhan, V. Baez, A. Al-Ansari, P. Tsiamyrtzis, A. T. Becker, N. V. Navkar (2024), "A generic scope actuation system for flexible endoscopes", in Surgical Endoscopy, Vol. 38, Iss. 2, pp. 1096-1105 *[Impact Factor:**3.149**]*.

J44. R. Sharma, P. Tsiamyrtzis, A. G. Webb, E. L. Leiss, N. V. Tsekos (2023), "Learning to deep learning: statistics and a paradigm test in selecting a UNet architecture to enhance MRI" in Magnetic Resonance Materials in Physics, Biology and Medicine, pp. 1-22 *[Impact Factor: **2.3**]*.

J43. K. Bourazas, F. Sobas and P. Tsiamyrtzis (2023), "[Design and Properties of the Predictive Ratio Cusum (PRC) Control Charts](#)", in Journal of Quality Technology, Vol. 55, NO. 4, 404–421 *[Impact Factor: **3.946**]* (Open Access).

J42. K. Bourazas, F. Sobas and P. Tsiamyrtzis (2023), "[Predictive Ratio Cusum (PRC): A Bayesian Approach in Online Change Point Detection of Short Runs](#)", in Journal of Quality Technology, Vol. 55, NO. 4, 391–403 *[Impact Factor: **3.946**]* (Open Access).

J41. M. D. T. Hasan, H. Alghamdi, S. Taamneh, M. Manser, R. Wunderlich, P. Tsiamyrtzis, I. Pavlidis (2023), "Investigating Cardiovascular Activation of Young Adults in Routine Driving", in IEEE Transactions on Affective Computing, pp. 1-13, *[Impact Factor: **11.2**]*.

J40. N. Abdurahiman, M. Khorasani, J. Padhan, V. M. Baez, Abdulla Al-Ansari, P. Tsiamyrtzis, A. T. Becker, N. V. Navkar (2023), "Scope actuation system for articulated laparoscopes", Surgical Endoscopy, Vol. 37, Iss. 3, pp. 2404-2413. *[Impact Factor:**3.149**]*.

J39. R. Sharma, P. Tsiamyrtzis, A.G. Webb, I. Seimenis, C. Louka, E. Leiss, N.V. Tsekos (2022), "A Deep Learning Approach to Upscaling "Low-Quality" MR Images: An In Silico Comparison Study Based on the UNet Framework", Applied Sciences, Vol. 12, Iss. 22, pp. 1-21 *[Impact Factor:**2.679**]*.

J38. P. Tsiamyrtzis, M.L.G. Grasso, B.M. Colosimo (2022), "Image based statistical process monitoring via partial first order stochastic dominance", Quality Engineering, Vol. 34, Iss. 1, pp. 96-124 *[Impact Factor:**2.128**]*.

J37. D. Shabir, M. Anbatawi, J. Padhan, S. Balakrishnan, A. Al-Ansari, J. Abinahed, P. Tsiamyrtzis, E. Yaacoub, A. Mohammed, Z. Deng, N.V. Navkar (2022), "Evaluation of user-interfaces for controlling movements of virtual minimally invasive surgical instruments", in The International Journal of Medical Robotics and Computer Assisted Surgery, Vol. 18, Iss. 5, pp. 1-13 *[Impact Factor:**2.547**]*.

J36. K. Bourazas, D. Kiagias and P. Tsiamyrtzis (2021), "Predictive control charts (PCC): A Bayesian approach in online monitoring of short runs", in Journal of Quality Technology, Vol. 54, Iss. 4, pp. 367-391 *[Impact Factor: **3.946**]* (Open Access).

J35. J. D. Velazco-Garcia, N. V. Navkar, S. Balakrishnan, G. Younes, J. Abi-Nahed, K. Al-Rumaihi, A. Darweesh, M. S. M. Elakkad, A. Al-Ansari, E. G Christoforou, M. Karkoub, E. L. Leiss, P. Tsiamyrtzis, N. V. Tsekos (2021), "Evaluation of how users interface with holographic augmented reality surgical scenes: Interactive planning MR-Guided prostate biopsies", in The International Journal of Medical Robotics and Computer Assisted Surgery, Vol. 17, Iss. 5, pp. 1-13 *[Impact Factor:**2.547**]*.

J34. K. D. Zamba and P. Tsiamyrtzis (2021), "Sequential detection framework for real-time biosurveillance based on Shiryaev-Roberts procedure with illustrations using COVID-19 incidence data", in Sequential Analysis, Vol. 40, Iss. 2, pp. 149-169 *[Impact Factor:**0.527**]*.

J33. J. D. Velazco-Garcia, N. V. Navkar, S. Balakrishnan, J. Abi-Nahed, K. Al-Rumaihi, A. Darweesh, A. Al-Ansari, E. G. Christoforou, M. Karkoub, E. L. Leiss, P. Tsiamyrtzis, N. V. Tsekos (2020), "End-User Evaluation of Software Generated Intervention Planning Environment for Transrectal MR-Guided Prostate Biopsies", in The International Journal of Medical Robotics and Computer Assisted Surgery, Vol. 17, Iss. 1, pp. 1-12. *[Impact Factor:**2.547**]*.

J32. F. Sobas, E. Jousselme, K. Bourazas, M. O. Geay-Baillat, M. Beghin, C. Nougier, P. Tsiamyrtzis (2020), "Estimation of uncertainty in measurement: interest of short-term Bayesian model as a complement to the conventional approach", in Blood Coagulation & Fibrinolysis, Vol. 31, Iss. 7, pp. 492-495 *[Impact Factor: **1.12**]*.

J31. P. Tsiamyrtzis and D. M. Hawkins (2019), "Bayesian statistical process control for Phase I count type data", in Applied Stochastic Models in Business and Industry, vol. 35(3), pp. 766-787 *[Impact Factor: **1.019**]*.

J30. I. Pavlidis, A. Khatri, P. Buddharaju, M. Manser, R. Wunderlich, E. Akleman, P. Tsiamyrtzis (2018), "*Biofeedback arrests sympathetic and behavioral effects in distracted driving*" IEEE Transactions on Affective Computing, IEEE Transactions on Affective Computing, pp. 1-13, *[Impact Factor: **6.288**]*.

J29. I. Pavlidis, I. Garza, P. Tsiamyrtzis, M. Dcosta, J. W. Swanson, T. Krouskop and J. Levine (2018), "*Dynamic quantification of migrainous thermal facial patterns-A Pilot Study*", IEEE Journal of Biomedical and Health, pp. 1225-1233, *[Impact Factor: **4.217**]*.

J28. I. Karapanagiotis, S. Sotiropoulou, S. Vasileiadou, E. Karagiannidou, D. Mantzouris, P. Tsiamyrtzis (2018), "Shellfish purple and gold threads from a Late Antique tomb excavated in Thessaloniki", Arachne vol. 5, pp. 64-77.

J27. P. Tsiamyrtzis (2018), "Discussion of the paper Statistical transfer learning: a review and some extensions to statistical process control", Quality Engineering, Vol. 30, Iss 1, pp. 133-134, *[Impact Factor 1.626]*

J26. S. Taamneh, P. Tsiamyrtzis, M. Dcosta, P. Buddharaju, A. Khatri, M. Manser, T. Ferris, R. Wunderlich5 & I. Pavlidis (2017), "A multimodal dataset for various forms of distracted driving", NATURE, Scientific Data, vol. 4, 2017, available on line at: https://www.nature.com/articles/sdata2017110 *[Impact Factor 5.929]*

J25. I Pavlidis, M Dcosta, S Taamneh, M Manser, T Ferris, R Wunderlich, E Akleman, P Tsiamyrtzis (2016), "Dissecting Driver Behaviors Under Cognitive, Emotional, Sensorimotor, and Mixed Stressors", NATURE, Scientific Reports, vol. 6, 2016, available on line at: http://www.nature.com/articles/srep25651 *[Impact Factor 4.011]*

J24. I. Semendeferi, P. Tsiamyrtzis, M. Dcosta and I. Pavlidis, (2016), "Connecting Past with Present: A Mixed-Methods Science Ethics Course and its Evaluation", Science and Engineering Ethics, vol. 22, no. 1, pp. 251-274 *[Impact Factor 2.275]*.

J23. P. Tsiamyrtzis, F. Sobas and C. Négrier, (2015), "Use of prior manufacturer specifications with Bayesian logic eludes preliminary phase issues in quality control: an example in a hemostasis laboratory", Blood Coagulation & Fibrinolysis, Volume 26, Issue 5, pp. 590-596 *[Impact Factor 1.12]*.

J22. Z.E. Papliaka, A. Konstafnta, I. Karapanagiotis, R. Karadag, A.A. Akyol, D. Mantzouris and P. Tsiamyrtzis, (2015), "FTIR imaging and HPLC reveal ancient painting and dyeing techniques of molluskan purple", Archaeological and Anthropological Sciences, p. 1-12. *[Impact Factor 1.978]*

J21. F. Sobas, P. Tsiamyrtzis, N. Benattar, A. Lienhart and C. Négrier, (2014), "A comparison of the 1_{2s} rule and Bayesian approach for quality control: application to one-stage clotting factor VIII assay", Blood coagulation and Fibrinolysis, Volume 25, Issue 6, pp. 634-643 *[Impact Factor 1.12]*.

J20. I. Karapanagiotis, D. Mantzouris, C. Cooksey, M. S. Mubarakand and P. Tsiamyrtzis, (2013), "An improved HPLC method coupled to PCA for the identification of Tyrian purple in archaeological and historical samples", Microchemical Journal, Vol. 110, pp. 70–80 *[Impact Factor 3.206]*.

J19. K. D. Zamba, P. Tsiamyrtzis and D. M. Hawkins (2013), "A three-state recursive sequential Bayesian falgorithm for biosurveillance", Computational Statistics and Data Analysis, Vol. 58(1), pp. 82-97 *[Impact Factor 1.323]*.

J18. Y. Zhou, P. Tsiamyrtzis, P. Lindner, I. Timofeyev, and I. Pavlidis (2013), "Spatio-Temporal Smoothing as a Basis for Facial Tissue Tracking in Thermal Imaging", IEEE Transactions on Biomedical Engineering, Vol. 60, no. 5, pp. 1280-1289 *[Impact Factor **4.491**].*

J17. I. Pavlidis, P. Tsiamyrtzis, D. Shastri, A. Wesley, Y. Zhou, P. Lindner, P. Buddharaju, R. Joseph, A. Mandapati, B. Dunkin, and B. Bass (2012), "Fast by Nature - How Stress Patterns Define Human Experience and Performance in Dexterous Tasks", NATURE, Scientific Reports, vol. 2, 2012, available on line at: http://www.nature.com/srep/2012/120306/srep00305/full/srep00305.html *[Impact Factor **4.011**].*

J16. D. Shastri, M. Papadakis, P. Tsiamyrtzis, B. Bass, and I. Pavlidis (2012), "Perinasal Imaging of Physiological Stress and Its Affective Potential", IEEE Transactions on Affective Computing, vol. 3, no. 3, p. 366-378 *[Impact Factor **6.288**].*

J15. P. Tsiamyrtzis and D. M. Hawkins (2010), "Bayesian Start up Phase Mean Monitoring of an Autocorrelated Process that is Subject to Random Sized Jumps", Technometrics, Vol. 52(4), pp. 438-452 *[Impact Factor **2.089**].*

J14. F. Sobas, A. Bellisario, P. Tsiamyrtzis, A. Lienhart, C. Nougier and C. Negrier (2010), "Bayesian logic in statistical test control: application to coagulation factor VIII assay", in Blood coagulation and Fibrinolysis, Volume 21, Issue 3, pp. 289-295 *[Impact Factor **1.12**].*

J13. I. Pavlidis, J. Levine, L. MacBride, Z. Zhu, and P. Tsiamyrtzis (2009), "Description and clinical studies of a device for the instantaneous detection of office-place stress", in WORK: A Journal of Prevention, Assessment, and Rehabilitation, vol. 34, no. 3, pp. 359-364 *[Impact Factor **0.715**].*

J12. D. Shastri, A. Merla, P. Tsiamyrtzis, and I. Pavlidis (2009), "Imaging facial signs of neuro-physiological responses", in IEEE Transactions on Biomedical Engineering, Volume 56, no. 2, pp. 477-84 *[Impact Factor **4.491**].*

J11. P. Tsiamyrtzis and D. M. Hawkins (2008), "A Bayesian EWMA Method to Detect Jumps at the Start-Up Phase of a Process", in Quality and Reliability Engineering International, Volume 24, Issue 4, pp. 721-735 *[Impact Factor **1.409**].*

J10. K. D. Zamba, P. Tsiamyrtzis and D. M. Hawkins (2008), "A Sequential Bayesian Control Model for Influenza-Like-Illnesses and Early Detection of Intentional Outbreaks", in Quality Engineering, Volume 20, Issue 4, pp. 495-507 *[Impact Factor **1.626**].*

J09. D. Karlis and P. Tsiamyrtzis (2008), "Exact Bayesian modeling for bivariate Poisson data and extensions", in Statistics and Computing, Volume 18, Issue 1, pp.27-40 *[Impact Factor **2.383**].*

J08. P. Buddharaju, I. Pavlidis, P. Tsiamyrtzis, and M. Bazakos, (2007), "Physiology-based face recognition in the thermal infrared spectrum", in IEEE Transactions on Pattern Analysis and Machine Intelligence, Volume 29, Issue 4, pp. 613-626 *[Impact Factor **17.73**]*.

J07. J. Dowdall, I. Pavlidis, and P. Tsiamyrtzis, (2007), "Coalitional tracking", in Computer Vision and Image Understanding, Volume 106, Issue 2-3, pp. 205-219 *[Impact Factor **2.645**]*.

J06. P. Tsiamyrtzis, J. Dowdall, D. Shastri, I. Pavlidis, and M.G. Frank, (2007), "Imaging facial physiology for the detection of deceit", in International Journal of Computer Vision, Volume 71, Issue 2, pp. 197-214 *[Impact Factor **6.071**]*.

J05. P. Tsiamyrtzis and D. M. Hawkins, (2005), "A Bayesian scheme to detect changes in the mean of a short run process", in Technometrics, Volume 47, Issue 4, pp. 446-456 *[Impact Factor **2.089**]*.

J04. P. Tsiamyrtzis and D. Karlis, (2004), "Strategies for efficient computation of multivariate Poisson probabilities", in Communications in Statistics, Simulation and Computation, Volume 33 Issue 2, pp.271-292 *[Impact Factor **0.397**]*.

J03. E. Katsanidis, D. Meyer, P. Adis, E. Yancey, M. Dikeman, P. Tsiamyrtzis, M. Pullen, (2003), "Vascular infusion as a means to improve the antioxidant – prooxidant ratio of beef", Journal of Food Science, Volume 68 Issue 4, pp.1149 – 1154 *[Impact Factor **1.649**]*.

J02. V. Morellas, I. Pavlidis, and P. Tsiamyrtzis, (2003), "Deter: Detection of Events for Threat Evaluation and Recognition", in Machine Vision and Applications, Volume 15, Issue 1 pp. 29-45 *[Impact Factor **1.691**]*.

J01. I. Pavlidis, V. Morellas, P. Tsiamyrtzis, and S. Harp, (2001), "Urban surveillance systems: From the laboratory to the commercial world", in Proceedings of the IEEE, Volume 89, Issue 10, pp. 1478-97 *[Impact Factor **10.694**]*.

Papers at Refereed Conferences

C37. M. Javadi, R. Sharma, P. Tsiamyrtzis, S. Shah, E. L. Leiss, N. V. Tsekos (2023), "From Perception to Precision: Navigating Perceptual Loss in MRI Super-Resolution" in Proceedings of the IEEE 23rd International Conference on Bioinformatics and Bioengineering (BIBE), pp. 57-61, 4-6 December 2023, Dayton, OH, USA.

C36. F. Kiran, A. Wesley, T. Tolar, P. Cirino, P. Tsiamyrtzis, I. Pavlidis (2023), "Relatable and Humorous Videos Reduce Hyperarousal in Math Exams". Proceedings of the 11th International Conference on Affective Computing and

Intelligent Interaction Workshops and Demos (ACIIW), pp. 1-4, 10-13 September 2023, Massachusetts, USA. *[Acceptance Rate: 26%]*.

C35. D. Shabir, S. Balakrishnan, J. Padhan, E. Yaacoub, A. Mohammed, Z. Deng, A. Al-Ansari, P. Tsiamyrtzis, N.V. Navkar (2023) "Evaluating a Remote Tele-Mentoring Gameplay Setup for Teaching Laparoscopic Suturing Skills". Proceedings of the IEEE 11th International Conference on Serious Games and Applications for Health (SeGAH), pp. 1-8, 28-30 August 2023.

C34. D. Shabir, S. Balakrishnan, J. Padhan, J. Abinahed, E. Yaacoub, A. Mohammed, Z. Deng, A. Al-Ansari, P. Tsiamyrtzis, N.V. Navkar (2023), "Tele-Mentoring Using Augmented Reality: A Feasibility Study to Assess Teaching of Laparoscopic Suturing Skills". Proceedings of the IEEE 36th International Symposium on Computer-Based Medical Systems (CBMS), pp. 61-66, 22-24 June 2023, L'Aquila, Italy. **Winner of the "Best Paper Award" of the Technical Committee on Computational Life Sciences (TCCLS), 2023 IEEE International Symposium on Computer-Based Medical Systems (CBMS)**.

C33. D. Shabir, S. Kharbech, J. Padhan, E. Yaacoub, A. Mohammed, Z. Deng, A. Al-Ansari, P. Tsiamyrtzis, N.V. Navkar, (2023), "Telementoring System Assessment Integrated with Laparoscopic Surgical Simulators". Proceedings of the 2023 IEEE 5th Eurasia Conference on Biomedical Engineering, Healthcare and Sustainability, ECBIOS 2023, pp. 200-203, 2-4 June 2023, Tainan, Taiwan.

C32. M.D.T. Hasan, S. Zaman, A. Wesley, P. Tsiamyrtzis, I. Pavlidis, (2023), "Sympathetic Activation in Deadlines of Deskbound Research-A Study in the Wild", Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems, April 23-28, Hamburg, Germany. *[Acceptance Rate: 26%]*.

C31. J. D. Velazco-Garcia, N. V. Navkar, S. Balakrishnan, J. Abinahed, A. Al-Ansari, A. Darweesh, K. Al-Rumaihi, E. G. Christoforou, E. L. Leiss, M. Karkoub, P. Tsiamyrtzis, N. V. Tsekos (2020), "Evaluation of Interventional Planning Software Features for MR-guided Transrectal Prostate Biopsies". IEEE, 20th International Conference on Bioinformatics and Bioengineering (BIBE), October 26-28, 2020, USA.

C30. C. Blank, S. Zaman, A. Wesley, P. Tsiamyrtzis, D. R. D. C. Silva, R. Gutierrez-Osuna, G. Mark, I. Pavlidis (2020), "Emotional Footprints of Email Interruptions". CHI'20 Extended Abstracts on Human Factors in Computing Systems, April 25-30, 2020. Honolulu, Hawai. *[Acceptance Rate: 24%]*

C29. G. Molina, J. D. Velazco-Garcia, D. Shah, A. T. Becker, I. Seimenis, P. Tsiamyrtzis, N. V. Tsekos (2019), "Automated Segmentation and 4D Reconstruction of the Heart Left Ventricle from CINE MRI". IEEE, 19th International Conference on Bioinformatics and Bioengineering (BIBE), pp.1019-1023, October 28-30, 2019, Athens, Greece.

C28. W. Chu, G. Molina, N. V. Navkar, C. F. Eick, A. T. Becker, P. Tsiamyrtzis, N. V. Tsekos (2019), "BNU-Net: A Novel Deep Learning Approach for LV MRI Analysis in Short-Axis MRI". IEEE, 19th International Conference on Bioinformatics and Bioengineering (BIBE), pp.731-736, October 28-30, 2019, Athens, Greece.

C27. C. M. Morales Mojica, J. D. Velazco-Garcia, H. Zhao, I. Seimenis, E. L. Leiss, D. Shah, A. Webb, A. T. Becker, P. Tsiamyrtzis, N. V. Tsekos (2019), "Interactive and Immersive Image-guided Control of Interventional Manipulators with a Prototype Holographic Interface". IEEE, 19th International Conference on Bioinformatics and Bioengineering (BIBE), pp.1002-1005, October 28-30, 2019, Athens, Greece.

C26. J. D. Velazco-Garcia, E. L. Leiss, M. Karkoub, P. Tsiamyrtzis, N. V. Tsekos, N. V. Navkar, S. Balakrishnan, J. Abinahed, A. Al-Ansari, G. Younes, A. Darweesh, K. Al-Rumaihi, E. G. Christoforou (2019), "Preliminary Evaluation of Robotic Transrectal Biopsy System on an Interventional Planning Software". IEEE, 19th International Conference on Bioinformatics and Bioengineering (BIBE), pp.357-362, October 28-30, 2019, Athens, Greece.

C25. P. Tsiamyrtzis, M. Dcosta, D. Shastri, E. Prasad and I. Pavlidis (2016), "Delineating the Operational Envelope of Mobile and Conventional EDA Sensing on Key Body Locations". Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI), May 7-12, 2016. San Jose, California. *[Acceptance Rate: 23.4%]*.

C24. A. Khatri, D. Shastri, P. Tsiamyrtzis, I. Uyanik, E. Akleman, and I. Pavlidis (2016), "Effects of simple personalized goals on the usage of a physical activity app". CHI'16 Extended Abstracts on Human Factors in Computing Systems, May 7-12, 2016. San Jose, California. *[Acceptance Rate: 43.4%]*

C23. M. Dcosta, D. Shastri, P. Tsiamyrtzis, and I. Pavlidis (2016), "Turning security monitoring into an engaging high performance task". 2016 IEEE International Conference on Technologies for Homeland Security. San Jose, California, May 10-12, 2016. Waltham, Massachusetts.

C22. M. Ugur, D. Shastri, P. Tsiamyrtzis, M. Dcosta, A. Kalpakci, C. Sharp and I. Pavlidis (2015), "Evaluating smartphone-based user interface designs for a 2D psychological questionnaire". The 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing, September 7-11 2015. *[Acceptance Rate: 22%]*

C21. I. Uyanik, A. Khatri, P. Tsiamyrtzis and I. Pavlidis, (2014). "Design and Usage of an Ozone Mapping App", Proceedings of the Wireless Health 2014 on National Institutes of Health, Bethesda, Maryland, pp. 1-7, October 29-31, 2014. *[Acceptance Rate: 25%]*

C20. I. Uyanik, D. Price, P. Tsiamyrtzis, and I. Pavlidis (2013), "Interfacing Real-Time Ozone Information", ACM SIGSPATIAL GIS International Workshop on Interacting with Maps (MapInteract), Orlando FL, pp.20-23, 2013.

C19. I. Garza, H. Montakhabi, P. Linder, P. Tsiamyrtzis, J.W. Swanson, L. MacBride, T.A. Krouskop, and I. Pavlidis, (2013), "The face of migraine: thermal imaging revisited", American Academy of Neurology 65th Annual Meeting, March 2013.

C18. I. Uyanik, P. Lindner, P. Tsiamyrtzis, D. Shah, N. Tsekos, I. Pavlidis (2013), "Applying a Level Set Method for Resolving Physiologic Motions in Free-Breathing and Non-gated Cardiac MRI", Proceedings of the 7th International Conference on Functional Imaging and Modeling of the Heart – FIMH 2013, Sébastien Ourselin, editors, vol. 7945, Springer Berlin, pp. 466-473, 2013.

C17. D. Duong, D. Shastri, P. Tsiamyrtzis, and I. Pavlidis (2012), "Spatiotemporal Reconstruction of the Breathing Function", International Conference on Medical Image Computing and Computer Assisted Intervention – MICCAI 2012, Lecture Notes in Computer Science, vol. 15, pp.149-156, 2012 *[Acceptance Rate: 31.8%]*.

C16. Y. Zhou, E. Yeniaras, P. Tsiamyrtzis, N. Tsekos, I. Pavlidis (2010), "Collaborative Tracking for MRI-Guided Robotic Intervention on the Beating Heart", Proceedings of the 13th International Conference on Medical Image Computing and Computer Assisted Intervention – MICCAI 2010, Lecture Notes in Computer Science, Beijing, China, vol. 6363, pp. 351-358, September 2010 *[Acceptance Rate: **32%**]*.

C15. D. Shastri, Y. Fujiki, R. Buffington, P. Tsiamyrtzis, and I. Pavlidis (2010), "O job, can you return my mojo? Improving human engagement and enjoyment in routine activities", Proceedings of the 2010 ACM Conference on Human Factors in Computing Systems (CHI), Atlanta, Georgia, April, 2010 *[Acceptance Rate: **22%**]*.

C14. Y. Zhou, P. Tsiamyrtzis, and I. Pavlidis (2009), "Tissue tracking in thermo-physiological imagery through spatio-temporal smoothing", Proceedings of International Conference on Medical Image Computing and Computer Assisted Intervention – MICCAI 2009, Lecture Notes in Computer Science, vol. 5762, pp. 1092-1099, London, United Kingdom, September 2009 *[Acceptance Rate: **27%**]*.

C13. Y. Fujiki, P. Tsiamyrtzis, and I. Pavlidis (2009), "Making sense of accelerometer measurements in pervasive physical activity applications", Ext. Abstract of the 2009 ACM Conference on Human Factors in Computing Systems (CHI), Boston, Massachusetts, April, 2009 *[Acceptance Rate: **25%**]*.

C12. Y. Zhou, P. Tsiamyrtzis, and I. Pavlidis (2008), "A probabilistic template update method for tracking facial tissue in thermal infrared", Proceedings of the 5th IEEE International Conference on Advanced Video and Signal Based Surveillance, Santa Fe, New Mexico, USA, September 1-3, 2008.

C11. Z. Zhu, P. Tsiamyrtzis, and I. Pavlidis (2008), "The segmentation of the supraorbital vessels in thermal imagery", Proceedings of the 5th IEEE International Conference on Advanced Video and Signal Based Surveillance, Santa Fe, New Mexico, USA, September 1-3, 2008.

C10. D. Shastri, P. Tsiamyrtzis, and I. Pavlidis (2008), "Periorbital thermal signal extraction and applications", Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vancouver, British Columbia, pp. 102-105, August, 2008.

C09. D. Shastri, A. Merla, P. Tsiamyrtzis, and I. Pavlidis (2007), "Imaging facial signs of neuro-physiological responses", Proceedings of the 10th International Conference on Medical Image Computing and Computer-Assisted Intervention-MICCAI, Brisbane, Australia, October 29 – November 2, 2007 *[Acceptance Rate: 35%]*.

C08. Z. Zhu, P. Tsiamyrtzis, and I. Pavlidis (2007) "Forehead thermal signature extraction in lie detection", Proceedings of the 29th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, pp. 243-246, Lyon, France, August 23-26, 2007.

C07. P. Buddharaju, I. Pavlidis and P. Tsiamyrtzis, (2006) "Pose-invariant physiological face recognition in the thermal infrared spectrum", Proceedings of the 2006 IEEE Conference on Computer Vision and Pattern Recognition, pp. 53-60, New York, June 17-22, 2006 *[Acceptance Rate: 23.3%]*.

C06. J. Dowdall, I. Pavlidis, and P. Tsiamyrtzis, (2006), "Coalitional tracking in facial infrared imaging and beyond", Proceedings of the 2006 IEEE Conference on Computer Vision and Pattern Recognition, pp. 134-141, New York, June 17-22, 2006 *[Acceptance Rate: 23.3%]*.

C05. P. Buddharaju, I. Pavlidis, and P. Tsiamyrtzis, (2005), **"Physiology-Based Face Recognition"**, in Proceedings of the IEEE International Conference on Advanced Video and Signal based Surveillance, pp. 354-359, Lake Como, Italy, September 15-16, 2005.

C04. P. Buddharaju, J. Dowdall, P. Tsiamyrtzis, D. Shastri, I. Pavlidis, and M. G. Frank, (2005), "Automatic THErmal MOnitoring System (ATHEMOS) for Deception Detection", in Video Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition, pp 53, San Diego, CA, June 20-25, 2005 *[Acceptance Rate: 21.6%]*.

C03. P. Tsiamyrtzis, J. Dowdall, D. Shastri, I. Pavlidis, M.G. Frank, and P. Ekman, (2005), "Lie Detection - Recovery of the Periorbital Signal Through Tandem Tracking and Noise Suppression in Thermal Facial Video", in Proceedings of SPIE Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense IV, editor: E. M. Carapezza, Vol. 5778, pp. 555-566, Orlando, FL, March 29-31, 2005.

C02. R. Murthy, I. Pavlidis, and P. Tsiamyrtzis, (2004), "Touchless Monitoring of Breathing Function", in Proceedings of the 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Vol. 2, pp. 1196-9, San Francisco, CA, September 1-5, 2004.

C01. P. Tsiamyrtzis, D. M. Hawkins and S. Tatini, (2000) "Statistical Analysis of Salmonellosis Outbreak Data", in Proceedings of the American Statistical Association (ASA), Section on Statistics and the Environment, pp.62-67, Indianapolis, IN, August 13-17, 2000. ("First Prize of A.S.A. Student Paper Award" and "Best Contributed Paper Award").

Papers at Abstract Based Conferences & Newsletters

A6. F. Sobas, K. Bourazas and P. Tsiamyrtzis (2016), "Bayesian strategy in long-term IQC results management: practical interest and compliance with standards", in External quality Control of diagnostic Assays and Tests (ECAT) Newsletter, 2016.

A5. D. Majeti, K. Kwon, P. Tsiamyrtzis and I. Pavlidis, (2015), "Dissecting Scholarly Patterns in Biology and Computer Science", Science of Team Science (SciTS) 2015 Conference, June 3-5 2015. Bethesda, Maryland.

A4. P. Tsiamyrtzis, F. Sobas and C. Négrier (2014), "How to establish the mean and standard deviation of internal quality control samples to construct control charts. The Bayesian approach with an example of D-dimer", in External quality Control of diagnostic Assays and Tests (ECAT) Newsletter, pp. 2–4, December 2014.

A3. P. Tsiamyrtzis and D. M. Hawkins, (2005), "A Bayesian Method to Detect Early Mean Shifts in an Autoregressive Process", in *Proceedings of the American Statistical Association (ASA), Section on Quality and Productivity*, pp. 1859-1863, Minneapolis, MN, August 7-11, 2005.

A2. R. Murthy, I. Pavlidis, and P. Tsiamyrtzis, (2005), "Touchless Monitoring of Breath Function", in *Abstracts of the 22nd Annual Houston Conference on Biomedical Engineering Research*, Houston, TX, February 10-11, 2005.

A1. P. Tsiamyrtzis, J. Dowdall, D. Shastri, I. Pavlidis, M. G. Frank, and P. Ekman, (2005), "Lie detection: recovery of the periorbital signal through tandem tracking and noise suppression in thermal facial video", in *Abstracts of the 22nd Annual Houston Conference on Biomedical Engineering Research*, Houston, TX, February 10-11, 2005.

Editorial Work:

- Member of the Editorial Board of the "Journal of Quality Technology"

- Member of the Editorial Board of "Quality Engineering"

Citations

Public profile in google scholar:
In September 2024, google scholar reported over **3000** citations and **h–index=27**.

Teaching Experience

1. **2019 – :** Politecnico di Milano, Dept. of Mechanical Engineering
   Current Position: Associate Professor
   M.Sc. Courses:
   - Design and Analysis of Experiments
   - Quality Data Analysis
   Ph.D. Courses:
   - Statistics in the big data era

2. **2002 – 2019 & 2022 – :** Athens University of Economics and Business, Dept. of Statistics
   Current Position: Associate Professor
   Undergraduate Courses:
   - Design and Analysis of Experiments
   - Introduction to Linear Regression
   - Linear Models
   - Applied Linear Models
   - Bayesian Statistics
   - Multivariate Statistical Methods
   - Introduction to Programming with R
   - Statistics I
   M.Sc. Courses:
   - Probability and Statistical Inference
   - Theory of Statistics
   - Probability for Statistics
   - Bayesian Modeling in Statistics
   - Linear Models for Data Analysis I & II
   - Bayesian Statistics
   - Linear Models
   - Analysis of Variance
   Ph.D. Courses:
   - Mathematical Statistics

3. **2015 – 17 & 2022 – : M.Sc. in Business Analytics**, Department of Management Science and Technology, Athens University of Economics and Business
   Position: Associate Professor
   M.Sc. Course:

o   Statistics for Business Analytics I

4. **2015 – 17: M.Sc. in Data Science**, Department of Computer Science, Athens University of Economics and Business
    Position: Associate Professor
    M.Sc. Course:
    o   Probability and Statistics for Data Analysis
    o   Bayesian statistics and simulation methods

5. **2017-19: Hellenic Open University**, School of Science and Technology, Quality Management and Technology
    Position: Counselor/Instructor (Distance Learning)
    MSc Course:
    o   Basic Tools and Methods for Quality Control

6. **2003–14, 2015-17 & 2022 – : Hellenic Open University**, Dept. of Business Administration
    Position: Counselor/Instructor (Distance Learning)
    Undergraduate Course:
    o   Quantitative Methods

7. **2014:** Specialization program in "Big Data and Business Analytics", Athens University of Economics and Business (Dept. of Management Science and Technology)
    Position: Assistant Professor
    Course: Statistics for Data Analytics

8. **2004, 2006: Joint M.Sc. Program in Biostatistics**, National and Kapodistrian University of Athens (Medical School and Dept. of Mathematics) and University of Ioannina (Dept. of Mathematics)
    Position: Lecturer
    M.Sc. Course:
    o   Bayesian Statistics

9. **2000: University of Minnesota**, School of Statistics, Twin Cities, U.S.A.
    Position: Visiting Assistant Professor
    Undergraduate Courses:
    o   Introduction to Statistics
    o   Introduction to Probability and Statistics

10. **1999 – 2000: University of Minnesota**, School of Statistics, Twin Cities, U.S.A.
    Position: Instructor
    Undergraduate Course:
    o   Introduction to Statistical Analysis
    M.Sc. Course:
    o   Applied Linear Regression

11. 1996 – 1999: University of Minnesota, School of Statistics, Twin Cities, U.S.A.
   Position: Teaching Assistant
   Undergraduate Courses:
   - Introduction to Statistics
   - Introduction to Statistical Analysis
   - Data Analysis

   M.Sc. Courses:
   - Applied Linear Regression
   - Design of Experiments
   - Statistical Methods for Quality Improvement

Scientific Advisory

1. **2018 – 2020:** Member of the ECAT (External quality Control of diagnostic Assays and Tests) Expert team on External Quality Assessment (https://www.ecat.nl) on Statistics.

Participation in Grants as Principal Investigator or Senior Scientific Advisor

1. **Grant: "Predictive Control Charts: A Bayesian approach in online monitoring"**
   Principal Investigator: Panagiotis Tsiamyrtzis
   Sponsor: Research Center AUEB, 2016-18.

2. **Grant: "Bayesian Statistical Process Control for Phase I count data"**
   Principal Investigator: Panagiotis Tsiamyrtzis
   Sponsor: Research Center AUEB, 2015-17.

3. **Grant: "Bayesian Statistical Process Control for Medical Laboratories"**
   Principal Investigator: Panagiotis Tsiamyrtzis
   Sponsor: Werfen – France, 2015

4. **Grant: "Bayesian Statistical Process Control for fraction non-conforming"**
   Principal Investigator: Panagiotis Tsiamyrtzis
   Sponsor: Basic Research Funding Program, 2010-11, AUEB.

5. **Grant: "Bayesian Statistical Process Control for Count Type Data"**
   Principal Investigator: Panagiotis Tsiamyrtzis
   Sponsor: Basic Research Funding Program, 2009-10, AUEB.

6. **Grant: "ATHEMOS – Advanced Technology Development"**
   Principal Investigator: Ioannis Pavlidis
   Sponsor: Defense Academy for Credibility Assessment (DACA), Department of Defense, USA.

Description: The goal of this project was to perform research that would improve facial tissue tracking in thermal infrared, develop tracking error estimation methods, include novel psycho-physiological channels in lie detection, pursue an aggressive program of experimental investigation, and revamp the ATHEMOS software infrastructure.

7. **Grant: "Interacting with Human Physiology"**
   Principal Investigator: Ioannis Pavlidis
   Sponsor: National Science Foundation (NSF), USA
   Description: The project aims to add a new dimension in human-computer interaction (HCI), namely, to monitor the physiology of computer users on a continuous basis and take appropriate actions when warranted. The project aspires to use the abundant computing resources at home and the office in combination with novel sensing, algorithmic, and interface methods to enhance the user's experience and at the same time create a new preventive medicine paradigm.

Synergistic Activities

1. Member of the scientific committee of the 25th annual international conference of the European Network for Business and Industrial Statistics (ENBIS), September 2025, Peiraeus, Greece.

2. Member of the Scientific Committee of the "e-learning" unit of Athens University of Economics and Business (2015-2018).

3. Member of the Program Committee of the "ACM Workshop on Multimodal Deception Detection (WMDD 2015)", ACM 17th International Conference on Multimodal Interaction, ICMI 2015, Seattle, WA, November 9-13, 2015.

4. Program Area Chair (Tracking), of the "5th IEEE International Conference on AVSS" (Advanced Video and Signal Based Surveillance), Santa Fe, New Mexico, USA, September 2008.

5. Member of the scientific committee of the 8th annual conference of the European Network for Business and Industrial Statistics (ENBIS), September 2008, Athens, Greece.

6. Member of the organizing committee of the 8th annual conference of the European Network for Business and Industrial Statistics (ENBIS), September 2008, Athens, Greece.

7. Member of the organizing committee of the 17th annual conference of the Hellenic Statistical Institute (HSI), April 2004, Lefkada, Greece.

Refereeing Service (>150 manuscripts). Journals in alphabetic order

1. ACM Workshop on Multimodal Deception Detection 2015

2. Applied Optics

3. Applied Stochastic Models in Business and Industry

4. Applied Thermal Engineering

5. BMC Medical Imaging

6. BMC Medical Research Methodology.

7. Communications in Statistics – Simulation and Computation

8. Communications in Statistics – Theory and Methods

9. Computational and Mathematical Methods in Medicine

10. Computers and Industrial Engineering

11. Computer Vision and Image Understanding

12. European Journal of Operational Research

13. Flexible Services and Manufacturing Journal

14. Forensic Science International

15. Frontiers in Human Neuroscience

16. Health Services and Outcomes Research Methodology

17. Hellenic Institute of Statistics

18. IIE Transactions

19. IEEE Computer Society Workshop on Biometrics

20. IEEE International Conference on Advanced Video and Signal Based Surveillance

21. IEEE Transactions on Affective Computing

22. IEEE Transactions on Image Processing

23. IEEE Transactions on Information Forensics and Security

24. IEEE Transactions on Information Technology in BioMedicine

25. IEEE Transactions on Pattern Analysis and Machine Intelligence

26. IEEE Transactions on Reliability

27. IET Computer Vision

28. IET Science Measurement and Technology

29. Image and Vision Computing Journal

30. International Journal of Pattern Recognition and Artificial Intelligence

31. International Journal of Production Research

32. Journal of Nonparametric Statistics

33. Journal of Quality Technology

34. Journal of Royal Statistical Society, Series C

35. Journal of Statistical Software

36. Mathematics and Computers in Simulation

37. Measurement Science and Technology – Institute of Physics

38. Metron

39. Multimodal Technologies and Interaction

40. National Science Foundation

41. Optimization

42. Quality Engineering

43. Quality and Reliability Engineering International

44. Quality Technology and Quantitative Management

45. Scientia Iranica

46. South African Statistical Journal

47. Scientific Reports

48. Statistical Papers

49. Statistical Science

50. Statistics and Computing

51. Technometrics

52. TEST

Short courses

1. "Quality assurance of the total testing process", 2018 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, November 07-09, 2018 (https://www.ecat.nl/wp-content/uploads/2019/02/2019-14-Participants-Meeting-2018-Final.pdf).

2. "Internal Quality Control: Assessing the proper QC values and limits", 2016 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, November 09-11, 2016 (http://www.ecat.nl/wp-content/uploads/2017/02/Issue-11-Participants-Meeting-2016_final.pdf) .

3. "An Introduction to Bayesian Statistical Process Control", 2014 Joint Research Conference, University of Washington, Seattle, WA, USA, June 23, 2014 (http://asa-qprc.org/2014/www.jrc2014.org/short-courses.html).

4. "Workshop on Bayesian Modeling using Winbugs", Athens, Greece, August 24-25, 2010 (http://www.math.ntua.gr/~fouskakis/Workshop/home.html).

Invited Talks-Conferences

1. "Modern approaches in statistical process control for IQC and EQA", 2024 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, September 25-29, 2024.

2. "Predictive Ratio Cusum (PRC): A Bayesian Approach in Online Change Point Detection of Short Runs", JQT/Technometrics/QE invted session, 2024 European Network for Business and Industrial Statistics annual conference (ENBIS 24), Leuven, Belgium, September 15-19, 2024.

3. "Predictive Ratio Cusum (PRC): A Bayesian Approach in Online Change Point Detection of Short Runs", ENBIS invited Session, 2nd INFORMS Conference on Quality, Statistics, and Reliability (ICQSR), Lake Como and Milan, Italy, July 01-04, 2024.

4. "A Bayesian Self-starting Hotelling (BSSH) T^2 for Online Multivariate Outlier Detection", 2024 Joint Research Conference on Statistics in Quality, Industry and Technology (joint meeting of the 29th Spring Research Conference on Statistics in

Industry and Technology and the 40th Quality and Productivity Research Conference), University of Waterloo, Canada, June 17-20, 2024.

5. "Efficient Quality Monitoring in Medical Laboratories: the use of Bayesian methods in anomaly detection", Seminar at the Institute of Statistics and Mathematical Methods in Economics, Technical University of Vienna (TUW), June 2024.

6. "Bayesian versus Conventional Inference for Quality Control Results Management", Werfen Italy, Symposium on Use of Bayesian Logic – Application for IQC results management, Milan, Italy, June 04, 2024.

7. "Interpretation of Statistical Analysis of External Quality Assurance (EQA) programs", XXXVIIth International Symposium of Technical Innovations in Laboratory Hematology (ISLH 2024), Nantes May 30-June 1, 2024.

8. "Predictive Ratio Cusum (PRC): A Bayesian Approach in Online Change Point Detection of Short Runs", 15th Workshop on Stochastic Models, Statistics and Their Applications (SMSA 2024), Delft, Netherlands, 12-15 March 2024.

9. "Introduction to Bayesian inference and its application in medical biology", 32nd National College of Hospital Biochemistry, Paris, France, 25-26 January 2024.

10. "Bayesian versus Conventional Inference for Quality Control Results Management", Werfen France, Symposium on Use of Bayesian Logic – Application for both IQC and EQA results management, Lyon, France, November 30, 2023.

11. "Image Based Statistical Process Monitoring Using Partial First Order Stochastic Dominance", INFORMS Conference on Quality, Statistics, and Reliability (ICQSR) 2023, Raleigh, North, June 06-08, 2023.

12. "Predictive Control Charts (PCC): A Bayesian Approach in Online Monitoring of Short Runs", JQT invited session, ASA/IMS Spring Research Conference, Banff Center, Alberta, Canada, May 24-26, 2023.

13. Invited as a discussant to the Conference "Statistical Methods and Models for Complex Data: 800 Years of Research to Understand a Complex World", Dept. of Statistical Sciences, University of Padova, Italy, September 21-23, 2022.

14. "How to interpret the Z-score in survey reports (theory and practical examples)", 2022 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, September 15-16, 2022.

15. "Statistical process monitoring of thermal images in additive manufacturing: a nonparametric solution for in-situ monitoring", 51st Scientific Meeting of the Italian Statistical Society, June 22-24, 2022.

16. "Efficient Quality Monitoring Using the Bayesian Approach", Congrès Français Hémostase, Lyon, France, May 19-21, 2021.

17. Invited at the Stu Hunter Research Conference 2019, Induno Olona, Italy, February 17-20, 2019.

18. "How to evaluate your z-score?", 2018 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, November 07-09, 2018.

19. "Statistical process control and monitoring in the big data era", 2018 ISBIS Meeting, Piraeus, Greece, July 04-06, 2018.

20. Invited at the Stu Hunter Research Conference 2018, Roanoke Virginia, USA, March 05-08, 2018.

21. "Statistical Process Control and Monitoring: A Bayesian Approach", Invited Talk, at Werfen, Instrumentation Laboratory, Bedford, USA, April 10 2017.

22. Discussant of the paper "Statistical Transfer Learning with application to SPC", Stu Hunter Research Conference 2017, Copenhagen, Denmark, March 05-08 2017.

23. "Statistical Process Control and Monitoring: A Bayesian Approach", Invited Talk, Dept. of Mechanical Engineering, Milan Polytechnic, Milan, Italy, January 29 2016.

24. "Fast by Nature - How Stress Patterns Define Human Experience and Performance in Dexterous Tasks", National Center for Scientific Research "Demokritos", Summer School, Jul. 2015 (http://www.blod.gr/lectures/Pages/viewlecture.aspx?LectureID=2196#)

25. "Bayesian Statistical Process Control for count data", 4th International Symposium on Statistical Process Monitoring (ISSPM 2015), Padua, Italy, July 07-09 2015.

26. "A Bayesian statistical process control approach in modeling count type data", Imaging Seminar, Department of Mathematics, University of Houston, TX, USA, May 04 2015,

27. "Bayesian Statistical Process Control for fraction non-conforming", 2013 International Symposium on Statistical Process Control (ISSPC3), Piraeus, Greece, July 09-11 2013.

28. "Internal quality control monitoring from a Bayesian perspective", 2012 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, November 07-09, 2012.

29. "Fast by Nature - How Stress Patterns Define Human Experience and Performance in Dexterous Tasks", HUB-Science events, public lecture, Oct. 2012.

30. "Bayesian SPC for Autocorrelated Process that are Subject to Random Sized Jumps", 2012 Quality & Productivity Research Conference, California State University, Long Beach, CA, USA, June 4-7, 2012.

31. Invited Session organizer (Bayesian Statistical Process Control), at the "2010 Joint Research Conference on Statistics in Quality, Industry, and Technology", National Institute of Standards and Technology (NIST), Gaithersburg, MD, USA, May 25–27, 2010.

32. "A Bayesian Approach in Modeling an Epidemic", Invited Talk at 2009 International Symposium on Statistical Process Control (ISSPC), Nantes, France, July 16-17 2009.

33. "Bayesian SPC for Count Data", Invited Talk at 2009 Quality & Productivity Research Conference (QPRC), IBM T. J. Watson Research Ctr., Yorktown Heights, NY, USA, June 3-5, 2009.

34. "Detection of Events for Threat Evaluation and Recognition", MSc Program in Information Systems, University of Macedonia, May 2003.

35. "A Cluster Based Approach in Combining MPN and Counting", The Eastern Regional Research Center of the Agricultural Research Service (ARS) of United States Department of Agriculture (USDA), Philadelphia, December 15, 2000.

Contributed Conference Presentations

1. "A Bayesian Self-starting Hotelling (BSSH) T^2 for Online Multivariate Outlier Detection", 2024 European Network for Business and Industrial Statistics annual conference (ENBIS 24), Leuven, Belgium, September 15-19, 2024.

2. "bayespm: BAYESian Process Monitoring in R", 2023 European Network for Business and Industrial Statistics annual conference (ENBIS 23), Valencia, Spain, September 10-14, 2023.

3. "Predictive Ratio Cusum (PRC): A Bayesian Approach in Online Change Point Detection of Short Runs", 2022 European Network for Business and Industrial Statistics annual conference (ENBIS 22), Trondheim, Norway, June 26-30, 2022.

4. "Video/Image Statistical Process Monitoring in Additive Manufacturing via Partial First Order Stochastic Dominance", European Network for Business and Industrial Statistics, spring meeting (online), May 17-18, 2021.

5. "Image based Statistical Process Monitoring using Partial First Order Stochastic Dominance", Statistics5@Aegina, Aegina, September 06-08, 2019.

6. "Monitoring Phase I binary data via Bayesian Statistical Process Control", 2019 European Network for Business and Industrial Statistics annual conference (ENBIS 19), Budapest, Hungary, September 02-04, 2019.

7. "A Bayesian self-starting Shiryaev statistic for Phase I data", 2018 European Network for Business and Industrial Statistics annual conference (ENBIS 18), Nancy, France, September 02-06, 2018.

8. "Bayesian self-starting CUSUM", 2017 European Network for Business and Industrial Statistics annual conference (ENBIS 17), Naples, Italy, September 09-13, 2017.

9. "Bayesian modeling for fraction nonconforming", 2016 European Network for Business and Industrial Statistics annual conference (ENBIS 16), Sheffield, UK, September 11-15, 2016.

10. "A Bayesian approach for online monitoring of phase I data", The 4th International Conference on the Interface between Statistics and Engineering (ICISE2016), Palermo, Italy, June 20-22, 2016.

11. "Bayesian Statistical Process Control for count data", 4th International Symposium on Statistical Process Monitoring (ISSPM 2015), Padua, Italy, July 07-09, 2015.

12. "Phase I management using Normal Predictive Control Charts", 2014 Joint Research Conference, University of Washington, Seattle, WA, USA, June 24-26, 2014.

13. "Bayesian Statistical Process Control for fraction non-conforming", 2013 International Symposium on Statistical Process Control (ISSPC3), Piraeus, Greece, July 09-11, 2013.

14. "Internal quality control monitoring from a Bayesian perspective", 2012 ECAT (External quality Control of diagnostic Assays and Tests), Leiden, Netherlands, November 07-09, 2012.

15. "Bayesian SPC for autocorrelated processes that are subject to random jumps", 2011 Quality & Productivity Research Conference (QPRC), Los Angeles, CA, USA, June 4-7, 2012.

16. "A Bayesian Approach to Control Attributes", 2011 Joint Statistical Meetings, Miami, FL, U.S.A., July 30, August 4, 2011.

17. "A Bayesian SPC approach in modeling count type data", 2011 Quality & Productivity Research Conference (QPRC), Roanoke Virginia, USA, June 8-10, 2011.

18. "Bayesian Statistical Process Control for Count Type Data", 28th European Meeting of Statisticians, Piraeus, Greece, August 17–22, 2010.

19. "Controlling Attribute Type Data from a Bayesian Perspective", 2010 Joint Research Conference on Statistics in Quality, Industry, and Technology, National Institute of Standards and Technology (NIST), Gaithersburg, MD, USA, May 25-27, 2010.

20. "Bayesian modeling for fraction nonconforming", 2009 European Network for Business and Industrial Statistics annual conference (ENBIS 9), Gothenburg, Sweden, September 20-24, 2009.

21. "A Bayesian Approach to Model Shifts in Poisson Data", 2008 European Network for Business and Industrial Statistics annual conference (ENBIS 8), Athens, Greece, September 21-25, 2008.

22. "A Probabilistic Template Update Method for Tracking Facial Tissue in Thermal Infrared", 5th IEEE International Conference on Advanced Video and Signal Based Surveillance, Santa Fe, New Mexico, USA, September 1-3, 2008.

23. "The Segmentation of the Supraorbital Vessels in Thermal Imagery", 5th IEEE International Conference on Advanced Video and Signal Based Surveillance, Santa Fe, New Mexico, USA, September 1-3, 2008.

24. "Coalitional Tracking", First Athens – Pavia Meeting in Statistics, Marathonas, Greece, June 3–6, 2008.

25. "A Sequential Bayesian Control Model for Influenza-Like-Illnesses", 2008 Bayesian Biostatistics Conference, Houston, U.S.A., January 30 – February 2, 2008.

26. "A Bayesian EWMA Method to Detect Jumps at the Start-up Phase of a Process", ENBIS 7, Dortmund, September 24-26, 2007. (Winner of the "Best Talk Award")

27. "A Bayesian Approach in Modeling Shifts of the Mean/Variance of Count Data", Joint Statistical Meetings, Seattle, U.S.A., August 5-10, 2006.

28. "A Bayesian Approach to Statistical Process Control", ISBA Eighth World Meeting on Bayesian Statistics, Valencia, Spain, June 1-6, 2006.

29. "A Bayesian Method to Detect Early Mean Shifts in an Autoregressive Process", Joint Statistical Meetings, Minneapolis, U.S.A., August 7-11, 2005.

30. "Touchless Monitoring of Breathing Function", 22nd Annual Houston Conference on Biomedical Engineering Research Huston, February 10 – 11, 2005.

31. "Lie Detection: Recovery of the Periorbital Signal through Tandem Tracking and Noise Suppression in Thermal Facial Video", 22nd Annual Houston Conference on Biomedical Engineering Research Huston, February 10 – 11, 2005.

32. "Exact Bayesian Inference for Bivariate Poisson Data", 19th International Workshop on Statistical Modeling, Florence, 04 – 08 July 2004.

33. "Exact Bayesian Inference for Bivariate Poisson Data", 2nd International Workshop in Applied Probability, Piraeus, 22 – 25 March 2004.

34. "Strategies for Efficient Computation of Multivariate Poisson Probabilities", Recent Advances in Statistical Designs and Related Combinatorics, Athens, 07 – 09 July 2003.

35. "A Bayesian Segmentation Algorithm in D.E.T.E.R. (Detection of Events for Threat Evaluation and Recognition)", 16th annual conference of the Hellenic Statistical Institute (HSI), Kavala, 30 April – 03 May 2003.

36. "Segmentation and Tracking Algorithm for Visualization during MRI-Guided Ablative Thermal Therapy", 20th Annual Houston Conference on Biomedical Engineering Research, Houston, April 3-4, 2003.

37. "Most Probable Number, Counting or Both?", 15th annual conference of the Hellenic Statistical Institute (HSI), Ioannina, 08-11 May 2002.

38. "Bayesian Quality Control", 14th annual conference of the Hellenic Statistical Institute (HSI), Skiathos, 18-21 April 2001.

39. "Statistical Analysis of Salmonellosis Outbreak Data", Joint Statistical Meetings, Indianapolis, August 13-17, 2000. ("First Prize of A.S.A. Student Paper Award" and "Best Contributed Paper Award")

40. "A Bayesian Approach to the Short Run Problem", Joint Research Conference, Seattle, June 26-28, 2000.

Ph.D. thesis advisor (completed theses)

1. K. Bourazas, "Self-Starting Methods in Bayesian Statistical Process Control & Monitoring", Dept. of Statistics, Athens University of Economics and Business. Graduated Sept. 2021.

M.Sc. thesis advisor (completed theses)

1. Mengying Zhong, "Applying Statistical Methods for Real-Time Monitoring in An Electron Beam Melting Process, Dept. of Food Engineering, Politecnico di Milano, Full Time MSc in Food Engineering (co-advised with Prof. M. Grasso).
2. Tushar Srikumar Nair, "User Behavioral Analysis: An Analytical Study on Purchase-Influencing Behaviors in Beko Europe's E-Commerce Platform", Dept. of Management Engineering, Politecnico di Milano, Full Time MSc in Management Engineering (co-advised with Prof. M. Grasso).

3. Joan Cavallé Abadal, "Spatio-temporal analysis of in-situ thermography data in PBF-EB of copper", Dept. of Management Engineering, Politecnico di Milano, Full Time MSc in Management Engineering (co-advised with Prof. M. Grasso).

4. Yogesh Selvakumar , "Statistical process monitoring on visual video recordings of a Selective Laser Melting process", Dept. of Mechanical Engineering, Politecnico di Milano, Full Time MSc in Mechanical Engineering.

5. Balasuburamaniyan Rathinasamy, "A comparative study of image segmentation methods applied to thermal images from a selective laser melting process", Dept. of Mechanical Engineering, Politecnico di Milano, Full Time MSc in Mechanical Engineering.

6. Dhilip Thirumoorthy, "Unsupervised Image Classification in Selective Laser Melting Processes: a Non-Parametric Approach Based on Jeffreys Divergence", Dept. of Mechanical Engineering, Politecnico di Milano, Full Time MSc in Mechanical Engineering.

7. Anand Sharma, "A self-starting proposal for video monitoring of a selective laser melting process", Dept. of Mechanical Engineering, Politecnico di Milano, Full Time MSc in Mechanical Engineering.

8. Octavien J. Onomo-Onomo, "Non-Conventional Monitoring Techniques for Plume Defects in Selective Laser Melting Process", Dept. of Mechanical Engineering, Politecnico di Milano, Full Time MSc in Mechanical Engineering.

9. A. Basanisi, "Analysis on the effect of a thermal treatment on the THF concentration in a compostable multilayer thermoformable films used for coffee capsules", Dept. of Mechanical Engineering, Politecnico di Milano, Full Time MSc in Mechanical Engineering.

10. X. Kokkinopoulou, "Statistical Process Control and Monitoring with Big Data", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

11. A. Barboutsi, "Multivariate Statistical Process Control methods in medical labs", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

12. C. Tsiagianni, "Statistical Process Control in aluminum factory", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

13. D. Zekakos Xipolias, "Predicting lactic Acid during physical exercise", Dept. of Statistics, Athens University of Economics and Business, Part Time MSc in Statistics.

14. K. Markopoulos, "Statistical analysis of data on analytical parameters of virgin olive oil in a Chemical Laboratory accredited according to ISO 17025", Hellenic Open

University, School of Science and Technology, MSc in Quality Management and Technology.

15. I. Sakkas, "OAED's employment programs in the context of a modern Total Quality Management according to the ISO9001: 2008 standard", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

16. A. Solomanidou, "Use of Statistical Quality Control Methods in Pharmaceutical Industry", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

17. A. Gerofotis, "Statistical analysis of physiological variables when driving under stress conditions", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

18. S. Markou, "Statistical quality control of medical laboratory processes", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

19. E. Stratakis, "Statistical analysis of internal combustion engine power failures of steam power station at Linoperamaton", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

20. E. Gerogiannakis, "Reliability Analysis and evaluation of Monopulse Secondary Surveillance Radar (MSSR) - Availability specification", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

21. K. Mantasas, "Process Risk Assessment of Aircraft Industry of the Hellenic Aerospace Industry", Hellenic Open University, School of Science and Technology, MSc in Quality Management and Technology.

22. D. Petrovas, "Modeling the delinquency status of restructured residential mortgage loans over a 12-month observation period", Athens University of Economics and Business, Part Time MSc in Business Analytics.

23. A. Dalentzakis, "Profile monitoring in driving performance using statistical process control methods", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

24. G. Pantermakis, "Automatic event detection in computational physiology signals using statistical process control methods", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

25. C. Seizi, "On Divergence between Distribution Functions", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

26. E. Yiannopoulou, "A Bayesian approach in determining the optimal sample size for phase I data", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

27. T. Nicolaou, "Spatial Statistics in Image Analysis", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

28. S. Patrinos, "Bioterrorism Surveillance Systems: An application to gastrointestinal infections" Joint M.Sc. Program in Biostatistics, National and Kapodistrian University of Athens (Medical School and Dept. of Mathematics) and University of Ioannina (Dept. of Mathematics).

29. B. Papathanasiou, "A Bayesian Statistical Process Control in modeling epidemics", Joint M.Sc. Program in Biostatistics, National and Kapodistrian University of Athens (Medical School and Dept. of Mathematics) and University of Ioannina (Dept. of Mathematics).

30. S. Rafail, "Bayesian approach to Kalman Filter for applications to Meteorology", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

31. G. Basta, "Biosurveillance Systems: A Bayesian Decision Making Approach", Joint M.Sc. Program in Biostatistics, National and Kapodistrian University of Athens (Medical School and Dept. of Mathematics) and University of Ioannina (Dept. of Mathematics).

32. D. Kiagias, "Predictive Control charts for discrete data", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

33. K. Bourazas, "Predictive Control charts for continuous data", Dept. of Statistics, Athens University of Economics and Business, Full Time MSc in Statistics.

34. M. Douli, "Recommendation Systems: A Content Based Collaboration Filter Approach", Dept. of Statistics, Athens University of Economics and Business, Part Time MSc in Statistics.

35. G. Vlassis, "A review of methods used to estimate the central subspace in studying the conditional distribution of y|x in regression", Dept. of Statistics, Athens University of Economics and Business, Part Time MSc in Statistics.

36. R. Christopoulou, "Discovering the structural dimension in regression problems", Dept. of Statistics, Athens University of Economics and Business, Part Time MSc in Statistics.

37. P. Douva, "Linear Profiles for Phase I data: a review", Dept. of Statistics, Athens University of Economics and Business, Part Time MSc in Statistics.

38. V. Vriniotis, "Sentiment Analysis using Statistical Methods", Dept. of Statistics, Athens University of Economics and Business, Part Time MSc in Statistics.

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1. "Tracking Tissue in Thermal Infrared Video", Jonathan Dowdall, Department of Computer Science, University of Houston, advisor: Ioannis Pavlidis.

2. "Measurement of Facial Physiology for Lie Detection", Dvijesh Shastri, Department of Computer Science, University of Houston, advisor: Ioannis Pavlidis.

3. "Physiology-Based Face Recognition in the Thermal Infrared Spectrum", Pradeep Buddharaju, Department of Computer Science, University of Houston, advisor: Ioannis Pavlidis.

4. "Breathing Computation through Thermal Imaging", Jin Fei, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis.

5. "Applications of Thermal Imaging in Psychology and Medicine", Zhen Zhu, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis.

6. "Physical Activity Patterns of Humans - Monitoring, Modeling, and Intervening", Yuichi Fujiki, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis.

7. "Deformable Collaborative Tracking Across Imaging Modalities", Yan Zhou, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis.

8. "Rank and quantile regression", Zoe Tsourti, Department of Statistics, Athens University of Economics and Bossiness, Advisor: Petros Dellaportas.

9. "Development and study of synthetic diagrams in statistical process control to monitor the mean and variance", Konstantinos Tasias, University of West Macedonia, Advisor: George Nenes.

10. "Selection of Transformation Family in Bayesian Statistical Models: Methodology and Applications", Efstratia H. Haritidou, Dept. of Applied Mathematics and Physical Sciences, Technical University of Athens, Advisor: Dimitris Fouskakis.

11. "A Modelling Approach for Correlated Binary Outcomes", Ioanna E. Athanasopoulou, Department of Statistics, Athens University of Economics and Bossiness, Advisor: Vassilis Vasdekis.

12. "Statistical Modeling of Discrete and Nonparametric statistics with exact run length properties", Theodoros, D. Perdikis, Department of Statistics, Athens University of Economics and Bossiness, Advisor: Stylianos Psarakis.

13. "Universal Monitoring of Driving Risk via Physiology", MD Tanim Hassan, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis.

14. "On the Mechanism of Competition and Outcomes in Schools of Thought and Other Realms of Human Endeavors", Vitalii Zhukov, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis.

15. "Control Charts for Some Discrete and Continuous Distributions" Elisavet Demertzi, , Department of Statistics, Athens University of Economics and Bossiness, Advisor: Stylianos Psarakis.

16. "Power Expected Posterior Prior Distributions in Shrinkage Problems", George Tzoumerkas, Dept. of Applied Mathematics and Physical Sciences, Technical University of Athens, Advisor: Dimitris Fouskakis.

17. "Advanced Statistical Process Monitoring using Simulation-Based Algorithms", Daniele Zago, Department of Statistical Sciences, University of Padova, Italy, Advisors: Giovanna Capizzi and Peihua Qiu.

18. "Modeling Dynamic Networks with a Discrete Response", Aggelos Kekempanos, Department of Statistics, Athens University of Economics and Bossiness, Advisor: Dimitrios Karlis (under development).

19. Fettah Kiran, Department of Computer Science, University of Houston, Advisor: Ioannis Pavlidis (under development).

20. "Deceit detection by thermal imaging", Saswata Satpathi, Electrical engineering department, Indian Institute of Technology, Kharagpur, Advisor: Aurobinda Routray. (under development).

21. Mohammad Javadi, Department of Computer Science, University of Houston, Advisor: Nikolaos V. Tsekos (under development).

References

Available upon request.