

- **PERSONAL INFORMATION**

Family name, First name: **ZOIS ELIAS**

Researcher unique identifier: <https://scholar.google.gr/citations?user=66UKSGAAAAAJ&hl=en>

Date of birth: **06 January 1971**

Nationality: **Hellenic**

URL for web site: <http://users.teiath.gr/ezois/>

- **EDUCATION**

1997-2000 **PhD on CV/PR Biometrics / Handwriting**

Electronics Laboratory / Physics Department / University of Patras/, Greece

Thesis: **Handwriting Verification with short sentences and digital image processing techniques.**

Name of PhD Supervisor: **Professor Vasileios Anastassopoulos**

1994-1996 **Master on Electronics Engineering**

Electronics Laboratory / Physics Department / University of Patras/, Greece

1989-1994 **Bachelor on Physics**

Physics Department / University of Patras/, Greece

- **CURRENT POSITION**

2014 – present: Current Position: **Assistant Professor**

Department of Electronics / Technological and Educational Institution of Athens, Greece

- **PREVIOUS POSITIONS**

2008 – 2014 Position held: **Lecturer**

Department of Electronics / Technological and Educational Institution of Athens, Greece

2001 – 2008 Position held: **Adjunct Professor**

Department of Electronics / Technological and Educational Institution of Athens, Greece

2001 – 2004 Position held: **Adjunct Professor**

Hellenic Army Academy / Greece

2001 – 2005 Position held: **Adjunct Professor**

Hellenic Police Academy / Greece

- **MAIN RESEARCH PROJECTS**

2009-2011: **European Space Agency (ESSE) - Enhancement of SIMSAT Simulation Engine. ESA/ESOC infrastructure simulation. Budget 200K Euro.**

Principal Investigator on behalf of the Technological and Educational Institute of Athens group.

2011-2014: **European Space Agency (LMCPTS) - Linux and Multi-Core Processor Technology for Simulators. ESA/ESOC infrastructure simulation. 2011-2014. Budget 200K Euro.**

Principal Investigator on behalf of the Technological and Educational Institute of Athens group.

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS (if applicable)**

2011 – 2015: **Number of PhD Students: One (1) / University of Bolton / U.K.**

2011 – 2015: **Number of PhD Students: One (1) / University of Patras / Greece.**

2013 – 2016: **Number of Graduate Students: Two (2) / Technological and Educational Institution of Athens, Greece.**

- **TEACHING ACTIVITIES**

2008 – 2014: **Lecturer– Digital Signal Processing, Department of Electronics / Technological and Educational Institution of Athens, Greece**

2008 – 2014: **Lecturer– Digital Image Processing, Department of Electronics / Technological and Educational Institution of Athens, Greece**

2014 – present: **Assistant Professor– Digital Signal Processing, Department of Electronics / Technological and Educational Institution of Athens, Greece**

2014 – present: **Assistant Professor– Digital Image Processing, Department of Electronics / Technological and Educational Institution of Athens, Greece**

- **INSTITUTIONAL RESPONSIBILITIES**

2008 – present: **Faculty member, Technological and Educational Institution of Athens, Greece.**

2015 – 2017: **Ethics Committee; Member, Technological and Educational Institution of Athens, Greece.**

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2014 – 2016: **External Member, Research Network “*Biometria*”**

2015 – present: **Founding Member, Telecommunications and Signal Processing Laboratory/ School of Applied Sciences / Technological and Educational Institution of Athens, Greece.**

- **MAJOR COLLABORATIONS**

1. Prof. George Economou, Digital Signal Processing, Digital Image Processing, Pattern Recognition, Biometrics, **Electronics Laboratory / Physics Department / University of Patras/, Greece**

2. Prof. Evangelos Zervas, Digital Signal Processing, Digital Image Processing, Pattern Recognition, Biometrics, **Telecommunications and Signal Processing Laboratory / Technological and Educational Institution of Athens, Greece.**

3. Prof. Athanasios Nassiopoulou, Digital Signal Processing, Digital Image Processing, Pattern Recognition, Biometrics, **Telecommunications and Signal Processing Laboratory / Physics Department / University of Patras/, Greece**

4. Vemmund Reggestadt, Space Applications, **ESA-ESOC/Darmstadt /Germany.**

• **SELECTED PUBLICATIONS**

1. **E.N. Zois** and V. Anastassopoulos, 'Fusion of correlated decisions for writer verification', Pattern Recognition, 32/10, pp. 1821-1823, 1999.
2. **E.N. Zois** and V. Anastassopoulos, 'Morphological waveform coding for writer identification', Pattern Recognition, 33/3, pp. 385-399, 2000.
3. E.N. Zois and V. Anastassopoulos, 'Fusion of correlated decisions for writer verification', Pattern Recognition, 34/1, pp. 47-61, 2001.
4. **E. N. Zois**, I. Raptis and V. Anastassopoulos, 'Off-line metrology on SEM images using gray scale morphology', *Microchimica Acta*, (4), April 2006.
5. C. Tselios, **E. N. Zois**, N. A. Livanos and A. Nassiopoulou, 'A real time development of an automatic fingerprint identification system using the AFS8600 sensor and the C6713 DSP processor', *Physica Status Solidi*, (c) Vol.5, 12, pp. 3846-3849, **2008**.
6. K. Tselios, **E. N. Zois**, A. Nassiopoulou, E. Siores, and G. Economou, "Grid based Feature Distributions for off-line signature verification", *IET Biometrics*, Vol. 1, No. 1, pp. 72-81, 2012.
7. K. Barkoula, **E. N. Zois**, E. Zervas and G. Economou, 'Event Based Offline Signature Modeling Using Grid Source Probabilistic Coding', LNCS 8158, pp. 77–85, Springer Verlag, 2013.
8. K. Barkoula, **E. N. Zois**, E. Zervas and G. Economou, 'Offline signature verification based on probabilistic representation of grid events', "Advances in Digital Handwritten Signature Processing: A Human Artifact for e-society", G. Pirlo, D. Impedovo and M. Fairhurst (Eds.), World Scientific, Aug. 2014.
9. **E. N. Zois**, Linda Alewijjnse and G. Economou, "Offline signature verification and quality characterization using poset-oriented grid features", Pattern Recognition, 54/6, pp. 162-177, 2016
10. H. Loka, **E. N. Zois**, and G. Economou, "Long Range Correlation of Preceded Pixels Relations and Application to Off-line Signature Verification", *IET Biometrics*, 6/2, pp. 70-78, 2016.
11. A. Hadjipanteli, **E. N. Zois** and A. Nassiopoulou, Signature Verification Using Young's Lattice Grid Modeling, Journal of Engineering Science and Technology Review (Jestr), 9/16, pp. 185-188, **2016**.
12. **E. N. Zois**, K. Tselios, E. Siores, A. Nassiopoulou, and G. Economou, "Off-Line Signature Verification Using Two Step Transitional Features," in 12th IAPR Conference on Machine Vision Applications, Nara, Japan, July 2011.
13. K. Tselios, **E. N. Zois**, A. Nassiopoulou, S. Karabetsos, and G. Economou, "Automated Off-Line Writer Verification Using Short Sentences and Grid Features", Proceedings of the 1st International Workshop on Automated Forensic Handwriting Analysis and Recognition (AFHA-2011), Beijing, China, 2011.

14. K. Tselios, **E. N. Zois**, A. Nassiopoulou, and G. Economou, "Fusion of directional transitional features for off-line signature verification", ", Proceedings of the 1st IEEE/IAPR International Joint Conference on Biometrics (IJCB-2011), Washington DC, US, 2011.
15. V. Reggestad, N.A. I. Livanos, P. Antoniou and **E. N. Zois**, Introducing Parallelization and Performance Optimization in Stimulus Based Operational Simulators. Proceedings of the SIMUTools 2012 Fifth International Conference on Simulation Tools and Techniques, Desenzano, Italy, 13-19 March, 2012.
16. Konstantina Barkoula, **E. N. Zois**, Evangelos Zervas, and George Economou. K. Barkoula, E. N. Zois, E. Zervas and G. Economou, 'Off-Line Signature Verification based on Ordered Grid Features: An Evaluation', Proceedings of the 2nd International Workshop on Automated Forensic Handwriting Analysis-AFHA2013, Washington DC, 2013.
17. **E. N. Zois**, E. Zervas, K. Barkoula, G. Economou and S. Fotopoulos, ' Poset Description of Grid Features and Application to Off-Line Signature Verification', 14th international Conference on Frontiers in Handwriting Recognition (ICFHR-14), Crete, 2014.
18. A. Alexandridis, E. Chondrodima, G. Paivana, M. Stogiannos, **E. N. Zois** and H. Sarimveis, Music Genre Classification Using Radial Basis Function Networks and Particle Swarm Optimization, Proc of Computer Science and Electronic Engineering Conference (CEEC) , Essex, 2014.
19. **E. N. Zois**, I. Theodorakopoulos, D. Tsurounis and G. Economou, "Parsimonious Coding and Verification of Offline Handwritten Signatures", IEEE Computer Society Workshop on Biometrics, 2017 Computer Vision and Pattern Recognition Workshops, CVPR-17, Honolulu, U.S.A, 21-26 July 2017.
20. **E. N. Zois**, I. Theodorakopoulos and G. Economou, Offline Handwritten Signature Modeling and Verification Based on Archetypal Analysis, 2017 IEEE International Conference on Computer Vision, pp. 5514-5523, ICCV 2017, Venice, Italy, 22-29 Oct. 2017.