CURRICULUM VITAE

PERSONAL DATA

NAME: Anastassios Tassos Mikropoulos
NATIONALITY: Greek

PROFESSIONAL DATA

POSITION: Professor, Director of the Educational Approaches to Virtual Reality Technologies Lab
DISCIPLINE: Computer Science and Virtual Reality in Education
ADDRESS: The University of Ioannina, School of Education, Department of Primary Education, Ioannina, 45 110, Greece
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EDUCATIONAL QUALIFICATIONS

a. Years attended and names of academic establishments

1972-1978 The 5th Boys High School of Salonika, Greece

1978-1983 Physics Department, The University of Ioannina. B.Sc. in Physics, March 1983

1984-1990 Theoretical and Physical Chemistry Institute, The National Hellenic Research Foundation, Athens University. Ph.D in Physics (nonlinear optics, optical computing) title "Nonlinear Optical picosecond Phase Conjugation by Degenerate Four - Wave Mixing in Na and K Vapours"

b. Other courses, training, seminars and schools

1985 Hellenic Center for Productivity (ELKEPA) "Microproccesors in Control"

1987 Hellenic Center for Productivity (ELKEPA) "Optoelectronics - Optical Communicatons"

1987 An Advanced Science Institute, Vimeiro, Portugal "Frontiers of Laser Spectroscopy of Gases"

1988 An Advanced Science Institute, Edinburgh, England "Optical Computing"

c. Scholarships

1984-1989 Theoretical and Physical Chemistry Institute, The National Hellenic Research Foundation. A PhD scholarship.'

1987 Ultrashort pulse laser development, University of Szeged, Hungary.

1986 Manchester University, U.K. A Royal Society Scholarship. Techniques for Nonlinear Optical Phase Conjugation.

PROFESSIONAL QUALIFICATIONS

Textbooks

Eight (8) textbooks on Information & Communication Technologies in Education (Logo, multimedia, educational software, mindtools, educational scenarios) in Greek.

Publications in international peer reviewed journals

Δ1. Chalki, P., Tsiara, A., & Mikropoulos, T. A. (2019). An educational neuroscience approach in the design of digital educational games. Themes in eLearning, 12(1), 17-34.

Δ2. Mantziou, O., Papachristos, N.M., Mikropoulos, T.A. (2018). Learning activities as enactments of learning affordances in MUVEs: A review-based classification", Education and Information Technologies., DOI: 10.1007/s10639-018-9690-x.

Δ3. Livieris, I.E, Drakopoulou, K., Tampakas, V., Mikropoulos, T., Pintelas, P. (2018). Predicting secondary school students' performance utilizing a semi-supervised approach. *Journal of Educational Computing Research*, 1-23, DOI: 10.1177/0735633117752614.

Δ4. Morfidi, E., &. Mikropoulos, T.A., Rogdaki, A. (2017). Using concept mapping to improve poor readers' understanding of expository text. *Education and Information Technologies*, doi:10.1007/s10639-017-9600-7.

Δ5. Zacharis, G.K., Mikropoulos, T.A., Kalyvioti, K. (2016). Cognitive load and attentional demands during objects' position change in real and digital environments. *Themes in Science & Technology Education*, 9(2), 83-91.

Δ6. Livieris, I. E., Mikropoulos, T. A., Pintelas, P. (2016). A decision support system for predicting students' performance, *Themes in Science & Technology Education*, 9(1), 43-57.

Δ7. Vrellis, I., Mikropoulos, T. A., & Avouris, N. (2016). Learning outcome, presence and satisfaction from a science activity in Second Life. *Australasian Journal of Educational Technology*, 32(1), 59-77.

Δ8. Bellos, G., Mikropoulos, T. A., Deligeorgis. S., & Kominakis, A. (2016). Learning efficiency of two ICT-based instructional strategies in Greek sheep farmers. *The Journal of Agricultural Education and Extension*, 22(4), 363-373.

Δ9. Mantziou, O., Vrellis, I. & Mikropoulos, T. A. (2015). Do children in the spectrum of autism interact with real-time emotionally expressive human controlled avatars? *Procedia Computer Science*, 67, 241 – 251.

Δ10. Papachristos, N.M., Vrellis, I., Natsis, A. and Mikropoulos, T. A. (2014). The role of environment design in an educational Multi User Virtual Environment. *British Journal of Educational Technology*, 45(4), 636-646.

Δ11. Kalyvioti, K, & Mikropoulos, T. A. (2013). Virtual Environments and Dyslexia: A literature review. *Procedia Computer Science*, 27, 138-147.

Δ12. Zacharis, G. K., Mikropoulos, T.A., Priovolou, C. (2013). Stereoscopic perception of women in real and virtual environments: A study towards educational neuroscience. *Themes in Science & Technology Education*, 6(2), 109-120.

Δ13. Kalyvioti, K, & Mikropoulos, T. A. (2013). A Virtual Reality Test for the identification of Memory Strengths of Dyslexic Students in Higher Education. *Journal of Universal Computer Science*, 19/18, 2698-2721.

Δ14. Mikropoulos, T. A., Bellou, J. (2013). Educational Robotics as Mindtools. Themes in Science and Technology Education, 6(1), 5-14.

Δ15. Morfidi, E., Mikropoulos, T.A., Bellou, I. (2012). Teaching intervention through a hypermedia application for children with learning and communication difficulties. *Procedia Computer Science*, 14, 419-427.

Δ16. Kalyvioti, K, & Mikropoulos, T. A. (2012). Memory Performance of Dyslexic Adults in Virtual Environments. *Procedia Computer Science*, 14, 410-418.

Δ17. Toki, E. I., Pange, J., Mikropoulos, T. A. (2012). An online expert system for Diagnostic Assessment procedures on young children's oral speech and language. *Procedia Computer Science*, 14, 428-437.

Δ18. Kazakou, M., Soulis, S., Morfidi, E., and Mikropoulos, A. (2011). Phonological Awareness Software for Dyslexic Children. Themes in Science and Technology Education, 4(1), 35-54.

Δ19. Mikropoulos, T. A. & Natsis, A. (2011). Educational Virtual Environments: A Ten Year Review of Empirical Research (1999 – 2009). *Computers & Education*, 56(3), 769-780.

Δ20. Padiotis, I. & Mikropoulos, T.A. (2010). Using SOLO to Evaluate an Educational Virtual Environment in a Technology Education Setting. *Educational Technology & Society*, 13(3), 233–245.

Δ21. Kontogeorgiou. A.M., Bellou, J. and Mikropoulos, T.A. (2008). Being inside the Quantum Atom. *PsychNology Journal*, 6(1), 83-98, http://www.psychnology.org/328.php

Δ22. Mikropoulos, T.A. (2006), Presence: A unique characteristic in educational virtual environments, *Virtual Reality*, 10(3-4), 197-206

Δ23. Mikropoulos, T.A. and Strouboulis, V. (2004), Factors that Influence Presence in Educational Virtual Environments, *Cyberpsychology & Behavior*, 7(5), 582-591

Δ24. Mikropoulos, T.A., Katsikis, A., Nikolou, E. and Tsakalis, P. (2003), Virtual environments in biology teaching, *Journal of Biological Education*, 37(4), 176-181

Δ25. Bakas, Ch. and Mikropoulos, T. A. (2003), Design of virtual environments for the comprehension of planetary phenomena based on students' ideas, *International Journal of Science Education*, 25(8), 949-967

Δ26. Mikropoulos, T.A., Misailidi, P., Bonoti, F. (2003), Attributing human properties to computer artifacts: Developmental changes in children's understanding of the animate-inanimate distinction, *Psychology / Ψυχολογία*, 10(1), 53-64

Δ27. Jimoyiannis, A., Mikropoulos, T. A. and Ravanis, K. (2000), Students' performance towards computer simulations on Kinematics, *THEMES in Education*, 1(4), 357-372

Δ28. Kameas, A., Mikropoulos, T. A., Katsikis, A., Emvalotis, A., Pintelas, P. (2000), EIKON: Teaching a high-school technology course with the aid of virtual reality, *Education and Information Technologies*, 5(4), 305-315

Δ29. Mikropoulos, T. (2001), Brain Activity on Navigation in Virtual Environments, *Journal of Educational Computing Research*, 24(1), 1-12

Δ30. Mikropoulos, T. A., Chalkidis, A., Katsikis, A., Emvalotis, A. (1998), Students' attitudes towards educational virtual environments, *Education and Information Technologies*, 3, 137-148

Δ31. Bolovinos, A., Cohen, S., Lyras, A., Skordoulis, C., Mikropoulos, T. and Assimopoulos, S. (1997), Study of Non-Linear Optical Phase Conjugation in Ca by Resonant Degenerate Four-Wave Mixing via Bound Excited States, *Applied Physics* B, 64, 451-458

Δ32. Mikropoulos, T. A., Chalkidis, A., Katsikis, A., Kossivaki, Ph. (1997), Virtual realities in environmental education: the project LAKE, *Education and Information Technologies*, 2, 131-142

Δ33. Brown, D. J., Mikropoulos, T. A. and Kerr, S. J. (1996), A Virtual Laser Physics Laboratory, *VR in the Schools*, 2(3), 3-8

Δ34. Mikropoulos, T. (1996), Virtual Geography, *VR in the Schools*, 2(2)

Δ35. Mikropoulos, T., Kossivaki, Ph., Katsikis, A., Savranides, Ch. (1994), Computers in Preschool Education: An Interactive Environment, *Journal of Computing in Childhood Education*, 5, 339 - 351

Δ36. Mikropoulos, T., Cohen, S., Kompitsas, M., Goutis, S., Baharis, C. (1990), Phase Conjugation in Ba vapor, *Optics Letters*, 15, 1270 - 1272

Δ37. Mikropoulos, T., Pan., Z. (1990), Subnanosecond near - infrared long cavity dye laser. *Journal of Modern Optics*, (GB), 37, 847 - 853

Δ38. Mikropoulos, T., Pan., Z. (1990), Phase Conjugation in Potassium Vapour Using subnanosecond Laser Pulses, *Applied Physics B*, 50, 19 - 21

Δ39. Cefalas, A. C., Mikropoulos, T., Simon, P., Hebling, J., Nicolaides, C. A. (1988), Picosecond phase conjugation by degenerate four-wave mixing in sodium vapour, *Applied Physics B*, 46, 363 - 367

Δ40. Hebling, J., Simon, P., Mikropoulos, T., Cefalas, A. C. (1987), Picosecond phase conjugation in sodium vapour, *Journal of Modern Optics*, (GB), 34, 1253 - 1255

Publications in national peer reviewed journals

Sixteen (16) publications.

Chapters in international peer reviewed books

T1. Mikropoulos, T.A. (2018). Introduction to "Research on e-Learning and ICT in Education". In. T.A. Mikropoulos (ed.), Research on e-Learning and ICT in Education, (pp. v-x). Switzerland: Springer.

T2. Papachristos, N.M., Ntalakas, G., Vrellis, I., Mikropoulos, T.A. (2018). A Virtual Environment for Training in Culinary Education: Immersion and User Experience. In. T.A. Mikropoulos (ed.), Research on e-Learning and ICT in Education, (pp. 367-380). Switzerland: Springer.

T3. Bellou, I., Papachristos, N.M., Mikropoulos, T.A. (2018). Digital learning technologies in chemistry education: a review. In D. Sampson, D. Ifenthaler, J. Spector, P. Isaías (eds.), Digital Technologies: Sustainable Innovations for Improving Teaching and Learning, (pp. 57-80). New York: Springer.

T4. Zacharis, G. K., Tsiara A., Chalki, P., Vrellis, I., Mikropoulos, T. A. (2016) Brain Activity and Visual Scientific Content: A Study on Earthquake Precaution. In M. Riopel, Z. Smyrnaiou (eds.), New Developments in Science and Technology Education, Innovations in Science Education and Technology 23 (pp. 31-40). Switzerland: Springer International Publishing.

T5. Mikropoulos, T. A., Sampson, D. G., Nikopoulos, A., Pintelas, P. (2014). The Evolution of Educational Technology Based on a Bibliometric Study. In. C. Karagiannidis, P. Politis and I. Karasavvidis (eds.), *Research on e-Learning and ICT in Education*, (pp. 15-24). New York: Springer.

T6. Panoutsopoulos, I., Sampson, D., and Mikropoulos, T. A. (2013). Digital Games as Tools for Designing and Implementing Innovative Pedagogical Approaches: A Review of Literature. In Gosper Maree and Ifenthaler, Dirk (Eds.), Curriculum models for the 21st century: Using Learning Technologies in Higher Education, Springer.

T7. Vrellis, I., Papachristos, N. M., Natsis, A., Mikropoulos, T. A. (2012). Presence in a Collaborative Science Learning Activity in Second Life. In A. Jimoyiannis (ed.), *Research on e-Learning and ICT in Education*, (pp. 241-251). New York: Springer.

T8. Mikropoulos, T. A. & Bellou, J. (2010), The Unique Features of Educational Virtual Environments, In C. M. Stewart, C. C. Schifter & M. E. Markaridian Selverian (Eds.) 'Teaching and Learning with Technology', 249-258, Routledge

T9. Kontogeorgiou, A., Bellou, J., Mikropoulos, T. A. (2007). Visualizing the quantum atom. In R. Pinto and D. Couso (eds.), *Contributions from Science Education Research*, 465-475, The Netherlands: Springer.

T10. Mikropoulos, T. A. (2003), Brain research in science education research, in D. Psillos, P. Kariotoglou, V. Tselfes, E. Hatzikraniotis, G. Fassoulopoulos and M. Kallery (eds.), *Science Education Research in the Knowledge – Based Society*, 353-360, Kluwer Academic Publishers, The Netherlands

T11. Mikropoulos, T. A., Katsikis, A., Kossivaki, Ph., Chalkidis, A. (2000), Virtual Realities in Environmental Education: LAKE, in G. de Haan, J. Mann, A. M. Reid (eds.) *Educating for Sustainability*, 505-515. (invited)

Publications in international peer reviewed Conference Proceedings

ΠΣ1. Koutromanos, G., Bellou, I., Mikropoulos, T.A. (2020). Social presence, satisfaction, and learning outcomes in an undergraduate computer programming distance course. Proceedings of the TECH-EDU 2020, the 2nd International Conference on Technology and Innovation in Learning, Teaching and Education, http://tech-edu.ws/2020/.

ΠΣ2. Papachristos, N., Mikropoulos, T.A. (2020). SciLOET: a framework for assessing digital learning objects for Science Education. Proceedings of the TECH-EDU 2020, the 2nd International Conference on Technology and Innovation in Learning, Teaching and Education, http://tech-edu.ws/2020/.

ΠΣ3. Iatraki, G., Mallidis-Malessas, P., Mikropoulos, T.A. (2020). Digital learning objects support grade-aligned Physics instruction for high school students with mild intellectual disability. Proceedings of the DSAI 2020, the 9th International Conference on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion, http://dsai.ws/2020/.

ΠΣ4. Mikropoulos, T.A., Delimitros, M., Gaintatzis, P., Iatraki, G., Stergiouli, A., Tsiara A., Kalyvioti, K. (2020). Acceptance and User Experience of an Augmented Reality System for the Simulation of Sensory Overload in Children with Autism. In Economou, D., Klippel, A., Dodds, H., Peña-Rios, A., Lee, M. J. W., Beck, D. E., Pirker, J., Dengel, A., Peres, T. M., & Richter, J. (eds.), 6th International Conference of the Immersive Learning Research Network (iLRN 2020) (pp. 86-92). Immersive Learning Research Network, IEEE.

ΠΣ5. Vrellis, I., Delimitros, M., Chalki, P., Gaintatzis, P., Bellou, I., Mikropoulos, T.A. (2020). Seeing the unseen: user experience and technology acceptance in Augmented Reality science literacy. In M. Chang, D. G. Sampson, R. Huang, D. Hooshyar, N-S. Chen, Kinshuk, M. Pedaste (eds.), 20th IEEE International Conference on Advanced Learning Technologies – ICALT2020 (pp 333-337). CA: IEEE.

Π6. Mercier, J., Avaca, I.L., Whissell-Turner, K., Paradis, A., Mikropoulos, T. (2020). Agency affects learning outcomes with a serious game. In P. Zaphiris and A. Ioannou (Eds.), Proceedings of the 22nd International Conference on Human-Computer Interaction – HCI2020, (pp. 267-278), Springer Nature: Switzerland.

Π7. Chalki P., Mikropoulos T.A., Tsiara A. (2019). A Delphi Study on the Design of Digital Educational Games. In Antona M., Stephanidis C. (eds) Universal Access in Human-Computer Interaction. Theory, Methods and Tools. HCII 2019. Lecture Notes in Computer Science, 11572, (pp 433-444). Springer, Cham.

Π8. Tsiara A., Mikropoulos T.A., Chalki P. (2019). EEG Systems for Educational Neuroscience. In Antona M., Stephanidis C. (eds) Universal Access in Human-Computer Interaction. Multimodality and Assistive Environments. HCII 2019. Lecture Notes in Computer Science, 11573, (pp 575-586). Springer, Cham.

Π9. Nikolou, A., Mikropoulos, T.A. (2018). Development of a general purpose interface for a Microcomputer-Based Laboratory. In Tsitouridou M., A. Diniz J., Mikropoulos T. (eds.) Technology and Innovation in Learning, Teaching and Education. TECH-EDU 2018. Communications in Computer and Information Science, 993, 79-90. Springer, Cham.

Π10. Athanasiou, L., Mikropoulos, T.A., Mavridis, D. (2019). Robotics Interventions for improving educational outcomes, A meta-analysis. In Tsitouridou M., A. Diniz J., Mikropoulos T. (eds.) Technology and Innovation in Learning, Teaching and Education. TECH-EDU 2018. Communications in Computer and Information Science, 993, 91-102. Springer, Cham.

Π11. Tsiara, A., Mikropoulos, T. A., Mavridis, D., & Mercier, J. (2017). Event-Related Brain Potentials from Pictures Relevant to Disaster Education. In C. Frasson & G. Kostopoulos (Eds.), *Brain Function Assessment in Learning: First International Conference, BFAL 2017*, (pp. 144-158). Cham: Springer International Publishing.

Π12. Topali, P., Mikropoulos, T.A. (2018). Digital Learning Objects for Teaching Computer Programming in Primary Education. In Tsitouridou M., A. Diniz J., Mikropoulos T. (eds.) Technology and Innovation in Learning, Teaching and Education. TECH-EDU 2018. Communications in Computer and Information Science, 993, 256-266. Springer, Cham.

Π13. Livieris I.E., Tampakas V., Kiriakidou N., Mikropoulos T., Pintelas P. (2019). Forecasting Students' Performance Using an Ensemble SSL Algorithm. In Tsitouridou M., A. Diniz J., Mikropoulos T. (eds.) Technology and Innovation in Learning, Teaching and Education. TECH-EDU 2018. Communications in Computer and Information Science, 993, 566-581. Springer, Cham

Π14. Apostolaki, D., Tsiara, A., Soulis, S., Mikropoulos, T.A. (2018). Language processing in visually and non-visually impaired individuals: the use of Auditory Event-Related Potentials. In L. Hadjileontiadis, J. Barroso & F. Eika Sandnes (eds.) Proceedings of the 8th International Conference on Software Development and Technologies for Enhancing Accessibility and Fighting Info-exclusion DSAI 2018, (pp.156-160). NY: ACM.

Π15. Papachristos, N.M., Vrellis, I., Mikropoulos, T.A. (2017). A comparison between Oculus Rift and a low-cost smartphone VR Headset: Immersive user experience and learning. In Kinshuk, D.G Sampson, R. Vasiu, M. Chang, N. Chen, R. Huang (Eds.), Proceedings of the 17th IEEE International Conference on Advanced Learning Technologies – ICALT2017 (pp. 477-481) MA: IEEE.

Π16. Athanasiou, L., Topali, P., & Mikropoulos, T. A. (2016). Introduction to programming through robotics for elementary school students. In D. Alimisis, M. Moro (Eds.), *EDUROBOTICS 2016 International Conference "Educational Robotics in the makers era"*. Athens, Greece.

Π17. Tsiara, A., Stergios, G., Mikropoulos, T. A. (2015). Brain activity during learning from pictures: An event-related potentials experiment. In EARLI 2015 16th Biennial Conference, 25-29 August 2015, Limassol, Cyprus.

Π18. Vrellis, I., Moutsioulis, A. & Mikropoulos, T. A. (2014). Primary school students' attitude towards gesture based interaction. A comparison between Microsoft Kinect and mouse. In D. G. Sampson, J. M. Spector, N.-S. Chen, R. Huang, Kinshuk (Eds.), Proceedings of the 14th IEEE International Conference on Advanced Learning Technologies – ICALT2014 (pp. 678-682) MA: IEEE.

Π19. Papachristos, N., Bellou, I., & Mikropoulos, T. A. (2014). Embodiment of the Communicative "Other": Mode of Communication and Social Presence in Educational Virtual Environments. Paper presented at EdMedia--World Conference

on Educational Multimedia, Hypermedia & Telecommunications, Vol. 2014, No. 1 (Jun 23, 2014) pp. 2579–2586. Tampere, Finland: AACE.

Π20. Natsis, A., Hormova, H., Mikropoulos, T. A. (2014). Students' views on different learning objects. In L. Gómez Chova, A. López Martínez, I. Candel Torres (eds.) *INTED 2014 Proceedings, 8th International Technology, Education and Development Conference* (pp. 2363-2372). Valencia: IATED Academy.

Π21. Natsis, A., Vrellis, I., Papachristos, N. M., and Mikropoulos, T. A. (2012). Technological Factors, User Characteristics and Didactic Strategies in Educational Virtual Environments. In I. Aedo, R. M. Bottino, N. Chen, C. Giovannella, Kinshuk, D. G. Sampson (Eds.), Proceedings of the 12th IEEE International Conference on Advanced Learning Technologies (pp. 531-535), July 4-6, Rome

Π22. Zoi, M., Bellou, I., Mikropoulos, T. A. (2011). Second Language Teaching in Elementary School with a Multimedia Gloss. In D. Chen (ed.) *International Conference on Languages, Literature and Linguistics* IPEDR vol. 26 (pp. 54-58). Singapore: IACSIT Press. (best paper award)

Π23. Morfidi, E., Papachristos, N., & Mikropoulos, T. A., (2010). Teachers' implementation of a hypermedia application for children with severe learning disabilities. In Proceedings of the 'International Conference on Intelligent networking and collaborative systems', INCOS, (pp. 267-273), Thessaloniki.

Π24. Vrellis, I., Papachristos, N. M., Bellou, J., Avouris, N., Mikropoulos, T. A. (2010), Designing a Collaborative Learning Activity in Second Life: An exploratory study in physics, in M. Jemni, Kinshuk, D. Sampson, J. M. Spector (Eds.), Proceedings of the 10th IEEE International Conference on Advanced Learning Technologies (pp. 210-214), July 5-7, Sousse, Tunisia

Π25. Messinis, I., Saltaouras, D., Pintelas, P., Mikropoulos, T. (2010), Investigation of the relation between interaction and sense of presence in Educational Virtual Environments, presented in 2010 International Conference on e-Education, e-Business, e-Management and e-Learning (IC4E 2010), Sanya, China, January 22-24, 2010

Π26. Mikropoulos, T. A., Bellou, J. (2006), The Unique Features of Educational Virtual Environments, in P. Isaias, M. McPherson and F. Banister (eds.) *Proceedings e-society 2006, International Association for Development of the Information Society*, v.1, 122-128, IADIS

Π27. Mikropoulos, T. A., Chalkidis, A., Koutsikos, El., Strouboulis, V., Vrellis, J. (2005), Educational virtual environments for earthquake precaution, In R. Pinto and D. Couso (Eds.) *Proceedings of the Fifth International ESERA Conference on Contributions of Research to Enhancing Students' Interest in Learning Science*, 202-205, Barcelona, Spain

Π28. Kontogeorgiou, A., Bellou, J., Mikropoulos, T. A. (2005), Visualizing the quantum atom, In R. Pinto and D. Couso (Eds.) *Proceedings of the Fifth International ESERA Conference on Contributions of Research to Enhancing Students' Interest in Learning Science*, 1479-1481, Barcelona, Spain

Π29. Mikropoulos, T. A., Tzimas, E., Dimou, G. El. (2004), Objective Presence Measures through Electric Brain Activity, In M. A. Raya and B. R. Solaz (eds.) *Proceedings of the 7th Annual International Workshop on Presence*, 259-265, Valencia

Π30. Bellos, G., Bellou, J. and Mikropoulos, T. A. (2003), Virtual Realities in Animal Production and Natural Resources Utilisation Research and Education, in A. Georgoudis, A. Rosati and C. Mosconi (eds.), *Animal Production and Natural Resources Utilisation in the Mediterranean Mountain Areas*, 462-465, Wageningen Academic Publishers

Π31. Mikropoulos, T. A. (2001), Brain Research in Science Education Research, in D. Psillos, P. Kariotoglou, V. Tselfes, G. Bisdikian, G. Fassoulopoulos, E. Hatzikraniotis, M. Kallery (eds.) *Proceedings of the Third International Conference on Science Education Research in the Knowledge Based Society*, 557-559, Thessalonica

Π32. Mikropoulos, T. A. (2001), Medical Education in the Information Age, *Balkan Journal of Clinical Laboratory*, special issue of the 9th Meeting of the Balkan Clinical Laboratory Federation, III(01)I, 42-42, Ioannina, Greece

Π33. Mikropoulos, T. A. (2000), Design, Development and Evaluation of Advanced Learning Environments. An Overall Approach. HERMES. Advanced systems for teaching and learning over the world wide web, Samos, B42-B52

Π34. Nikolou, E., Tsakalis, P., Mikropoulos, T. A., Katsikis, A. (1999), In – Service teachers' attitudes towards virtual reality learning environments, *International Conference on Technology and Education*, Edinbourgh, March 28-31

Π35. Mikropoulos, T. A. (1997), Virtual Environments in Science Education, *International Conference Virtual Reality in Education & Training*, 43 – 48, Loughborough, UK, June, προσκεκλημένος ομιλητής

Π36. Chalkidis, A., Mikropoulos, T. A., Katsikis, A. (1997), Virtual Environments in Environmental Education: First Results, *International Conference Virtual Reality in Education & Training*, 49-58, Loughborough, UK, June, προσκεκλημένη

Π37. Nikolou, E., Mikropoulos, T. A., Katsikis, A. (1997), Virtual Realities in Biology Teaching, *International Conference Virtual Reality in Education & Training*, 59 – 63, Loughborough, UK, June, προσκεκλημένη

Π38. Mikropoulos, T., Nikolou, E. (1996), A Virtual Hand with Tactile Feedback for Virtual Learning Environments, *World Conference on Educational Multimedia and Hypermedia*, 792, Boston, USA

Π39. Mikropoulos, T., Katsikis, A. and Chalkidis, A. (1995), Virtual Environments for Environmental Education, in H. Maurer (ed.) *World Conference on Educational Multimedia and Hypermedia*, 788, Graz, Austria

Π40. Spyrou, S., Cefalas, A. C., Skordoulis, C., Mikropoulos, T., Nicolaides, C. A. (1987), Blue-Green Laser at 495 nm of the Mercury trimer Hg_3, *6th International Conference on Gas Dynamics and Chemical Lasers, Israel*, Springer Proc. Physics, 15, 132–134

Publications in national peer reviewed Conference Proceedings

More than 100 publications. Some in English:

Π41. Ntalakas, G., Papachristos, N.M., Vrellis, I., Mikropoulos, T.A. (2016). Virtual environments for vocational training: user experience in culinary education. In T. A. Mikropoulos, N. Papachristos, A. Tsiara, P. Chalki (eds.), Proceedings of the 10th Pan-Hellenic and International Conference "ICT in Education", Ioannina: HAICTE.

Π42. Foreman, N., Mikropoulos, T. A. (2010). Potential for school familiarization using Virtual Environments. In A. Jimoyiannis (ed.), Proceedings of the 7th Pan-Hellenic Conference with International Participation «ICT in Education», vol.I, pp. 73-82 University of Peloponnese, Korinthos, Greece, 23-26 September 2010. Available at www.etpe.eu

Π43. Vrellis, I., Papachristos, N.M. Natsis, A., Mikropoulos, T. A. (2010). Measuring presence in a collaborative physics learning activity in Second Life. In A. Jimoyiannis (ed.), Proceedings of the 7th Pan-Hellenic Conference with International Participation «ICT in Education», vol.I, pp. 95-102 University of Peloponnese, Korinthos, Greece, 23-26 September 2010. Available at www.etpe.eu

Π44. Papachristos, N. M., Mikropoulos, T. A. (2008), On the necessity of studying Social Presence in Educational Virtual Environments, in C. Angeli & N. Valanides (eds.) Proceedings of the 6th Pan-Hellenic Conference with International Participation ICT in Education, v. 2, 39-46, Limassol: J. G. Cassoulides & Son Ltd

Π45. Bellou, I., Katsikis, A., Mikropoulos, T. A. (2002), Simulations and Visualizations of Spatial Changes as a Teaching Tool for the Comprehension of Geomorphologic Phenomena. The Case of Evolution of The Basin of Ioannina, Proceedings of the 6th PanHellenic Geography Conference. (pp. 507-512), Salonika

Π46. Brown, D. J., Cromby, J., Mikropoulos, T. (1994), The project LIVE in the modern pedagogical theory, *Proceeding of the 2nd Conference of ICT in Education.* (pp. 219 – 224), Athens.

Publications in International and National Conference Abstracts *Twenty (20) publications. International:*

1. Morfidi, E., Mikropoulos, T. A., Rogdaki, A. (2014). Using concept mapping to improve poor readers' understanding of expository text. Paper presented at the 22nd Annual World Congress on Learning Disabilities, April 24-25, Southampton.
2. Koleza, E., Dimitriadou, I. and Mikropoulos, T. A. (2001), A study of students' spatial abilities with the use of virtual environments, ιn Proceedings of the 25th Conference of the International Group for the Psychology of Mathematics Education, 1-405, Utrecht

3. Misailidi, P., Mikropoulos, T. A. & Bonoti, F. (1999), Children's Developing Conceptions on the Inanimate Nature of Computer Artifacts, Paper presented at the Ixth European Conference on Developmental Psychology, Island of Spetses, Greece, September 1-5
4. Bolovinos, A., Cohen, S., Lyras, A., Skordoulis, C., Mikropoulos, T. and Assimopoulos, S. (1996), Phase Conjugation by Resonant Degenerate Four Wave Mixing in Ca Vapour, 28th EGAS Conference, 250-251, Graz, 16-19 July
5. Cefalas, A. C., Mikropoulos, T., Simon, P., Hebling, J. and Nicolaides, C. A. (1988), Ps Phase - Conjugation by Degenerate Four - Wave Mixing in Sodium Vapour, 1st GR - Italian International Conference, New Laser Technologies and Applications, 125, Olympia, Greece

Editorship in International Scientific Journals and Volumes

ΕΠ1. Mikropoulos, T. A. (2015). Forward in S. J. Hadjileontiadou, S. B. Dias, J. A. Diniz, and L. J. Hadjileontiadis "Fuzzy Logic-Based Modeling in Collaborative and Blended Learning". USA: IGI Global.

ΕΠ2. Mikropoulos, T. A., Pantelidis, V. S., Chen, C. J. (2009). Editorship and forward, Virtual Reality in Education. *Themes in Science & Technology Education*, 2(1-2).

ΕΠ3. Mikropoulos, T. A. & Papachristos, N. (2008),. Editorship and forward, Proceedings of the International Symposium 'Information and Communication Technologies in Cultural Heritage', October 16-18, The University of Ioannina, Greece

ΕΠ4. Mikropoulos, T. A. (2008),). Editorship and forward, Elevating and Safeguarding Culture Using Tools of the Information Society, EU COMMUNITY INITIATIVE PROGRAMME INTERREG IIIB ARCHIMED

ΕΠ5. Selwood, I., Mikropoulos, T. A., Whitelock, D. (2000), forward, Education and Information Technologies, 5(4).

Other Publications

Seventeen (17) articles in Scientific Associations' Publications.

Citations

More than 2200 international references (sources: Web of Science, Scopus, scholar Google citations).

Indicative citations:

1. Gawlik-Kobylińska, M., Walkowiak, W., and Maciejewski, P (2020). Improvement of a Sustainable World through the Application of Innovative Didactic Tools in Green Chemistry Teaching: A Review, J. Chem. Educ. 97, 4, 916–924.
2. Huang, Y. M. (2016). The factors that predispose students to continuously use cloud services: Social and technological perspectives. Computers & Education, 97, 86-96.

   At Papachristos, N. M, Vrellis, I., Natsis, A., & Mikropoulos, T. A. (2014). The role of environment design in an educational Multi User Virtual Environment. British Journal of Educational Technology, 45(4), 636-646.
3. Avelar, L. O. de, Rezende, G. C., & Freire, A. P. (2015). WebHelpDyslexia: A Browser Extension to Adapt Web Content for People with Dyslexia. Procedia Computer Science, 67, 150-159.

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4. Proctor, M. D., & Marks, Y. (2013). A survey of exemplar teachers' perceptions, use, and access of computer-based games and technology for classroom instruction. Computers & Education, 62(0), 171-180.

   At Mikropoulos, T. A. & Natsis, A. (2010). Educational Virtual Environments: A Ten Year Review of Empirical Research (1999 – 2009). Computers & Education, 56(3), 769-780.
5. Wang, F., & Burton, J. K. (2013). Second Life in education: A review of publications from its launch to 2011. British Journal of Educational Technology, 44(3), 357-371.

   At Vrellis, I., Papachristos, N. M., Bellou, J., Avouris, N., Mikropoulos, T. A. (2010), Designing a Collaborative Learning Activity in Second Life: An exploratory study in physics, in M. Jemni, Kinshuk, D. Sampson, J. M. Spector (Eds.),

Proceedings of the 10th IEEE International Conference on Advanced Learning Technologies (pp. 210-214), July 5-7, Sousse, Tunisia.

6. Dalgarno, B., & Lee, M. J. W. (2010). What are the learning affordances of 3-D virtual environments? British Journal of Educational Technology, 41(1), 10-32.

At Kontogeorgiou, A. M., Bellou, J. & Mikropoulos, T. A. (2008). Being inside the quantum atom. PsychNology, 6, 1, 83–98.

More than 2000 national references (not self-references)

Design and Development of Educational and Edutainment Software

Thirteen (13) packages of educational software in Greek.

Indicative:

ESCUTIS, INTERREG III B, ARCHIMED, http://earthlab.uoi.gr/escutis

HYPER-DOMI, http://earthlab.uoi.gr/hyperdomi/downloads.php

EY_DOMI, http://earthlab.uoi.gr/hyperdomi/downloads.php

SOL, http://earthlab.uoi.gr/earthlab_files/sol/vr_en.html

Invited scientific talks

More than forty (40) talks in symposia and congresses

Students PhD theses completed

Twenty-seven (27) theses on ICT in Education

Member of Editorial Board and Reviewer in International Scientific Journals

Themes in e-Learning, Themes in Science and Technology Education, Editor

Journal of Educational Computing Research, Editorial Board member

Computers & Education, Reviewer

British Journal of educational Technology, Reviewer

Educational Technology and Society, Reviewer

Education & Information Technologies, Reviewer

Conference Organization - Member of Scientific Committees

More than 40 International and National Conferences

Projects

Coordination and participation in 24 international & national research and development projects

Coordination and participation in 23 education and training projects

Indicative projects:

1. Ministry of Education, and Religious Affairs, National Strategic Reference Framework, Operational Program: “Education and Lifelong Learning”, Production of educational tools for earthquake and natural disaster prevention - DEUCALION, 2102-2014
2. Ministry of Education, and Religious Affairs, National Strategic Reference Framework, Operational Program: “Education and Lifelong Learning”, Students’ Internship Program, 2010 – 2015
3. INTERREG III B, ARCHIMED, Elevating and Safeguarding Culture Using Tools of the Information Society: Dusty traces of the Muslim culture, ESCUTIS, 2006

Patents

"Flashlamp-pumped dye laser lithotripter" Greek patent, 2-11-1988

International Honors

Best paper award at the International Conference on Languages, Literature and Linguistics, Dubai, 2011

Biographee in the Marquis Who' s Who in Science & Engineering, since 1991

Languages

English, French

Memberships

1. Hellenic Association of Information & Communication Technologies in Education, elected president
2. Hellenic Physics Society, former elected president of Ioannina branch
3. Association For The Advancement Of Computing In Education (AACE)
4. Hellenic association for environmental Education.