

1. Personal Data

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2. Education

PhD, Computer Engineering and Informatics Department, University of Patras, Greece, 2003
Dissertation: *"From Hypertext to Structural Computing: Some Infrastructure and Application Issues"*

BS, Computer Engineering and Informatics Department, University of Patras, Greece, 1995

3. Foreign Languages

English (fluent), German (fluent)

4. Professional Experience

2018 – today	Department of Economics, University of Patras, Greece, <i>Associate Professor</i>
2012 - 2018	Department of Economics, University of Patras, Greece, <i>Assistant Professor</i>
2009 - 2012	Department of Economics, University of Patras, Greece, <i>Lecturer</i>
2005 - today	Hellenic Open University, <i>Tutor</i>
2005 - 2009	Research Academic Computer Technology Institute, eLearning Sector, <i>Senior Researcher</i>
2000 - 2005	Research Academic Computer Technology Institute, Research Unit 2, <i>Unit manager</i>
1996 - 2000	Research Academic Computer Technology Institute, Research Unit 2, <i>Engineer</i>

5. Professional Positions

2022 – today	Department of Economics, University of Patras <i>Directory of the Postgraduate program “Applied Economics and Data Analysis”</i>
2022 - today	Department of Economics, University of Patras <i>Vice Chair.</i>

6. Professional Memberships

- ACM SIGWEB member (since 1998).
 - Member of SIGWEB Advisory committee (2007 – 2011)
 - SIGWEB Chair Candidate for the 2011-2013 term
- ACM Member (since 1998)
- Member of the Technical Chamber of Greece (since 1995)

7. Publications¹

7.1 Summary metrics²

H-index:	15
i10-Index:	23
References:	673

7.2 Dissertations

- T1. **Tzagarakis, M.:** *“From Hypertext to Structural Computing: Some Infrastructure and Application Issues”*, Department of Computer Engineering and Informatics, University of Patras, Greece, 2003.

7.3 Edited proceedings

- PR1. Siegfried Reich, **Manolis Tzagarakis**: HYPERTEXT 2005, Proceedings of the 16th ACM Conference on Hypertext and Hypermedia, September 6-9, 2005, Salzburg, Austria, 2005.
- PR2. Siegfried Reich, **Manolis Tzagarakis**, Paul De Bra (Eds): Hypermedia: Openness, Structural Awareness, and Adaptivity, International Workshops OHS-7, SC-3, and AH-3, Aarhus, Denmark, August 14-18, 2001. Revised Papers. Lecture Notes In Computer Science, Volume 2266, Springer 2002, ISBN: 3-540-43293-0.

7.4 Edited journal special issues

- SI1. Christos Makris, **Manolis Tzagarakis**: International Journal on Web Engineering and Technology, Vol. 4, No. 1, 2008.

¹ All publications mentioned have been peer reviewed

² As reported by Google Scholar

7.5 Interviews

- IV1. Claus Atzenbeck, "Interview with Manolis Tzagarakis", ACM SIGWEB Newsletter, Autumn Issue, 2010. Available online from <http://dl.acm.org/citation.cfm?id=1850770.1836293>

7.6 Book Chapters

- BC1. Mourelatos, E., Tzagarakis, M.: Investigating Factors Influencing the Quality of Crowdsourced Work under Different Incentives: Some Empirical Results. Book Chapter In Social Entrepreneurship: Concepts, Methodologies, Tools, and Applications (pp. 1445-1462). IGI Global. 2019
- BC2. **M. Tzagarakis**, N. Karacapilidis, S. Christodoulou, F. Yang-Turner and L. Lau: The Dicode Collaboration and Decision Making Support Services. In: N. Karacapilidis (ed.), Mastering Data-Intensive Collaboration and Decision Making, Studies in Big Data, Vol. 5, Springer, 2014, pp. 119-139.
- BC3. S. Christodoulou, N. Karacapilidis, **M. Tzagarakis**, V. Dimitrova and G. de la Calle: Data Intensiveness and Cognitive Complexity in Contemporary Collaboration and Decision Making Settings. In: N. Karacapilidis (ed.), Mastering Data-Intensive Collaboration and Decision Making, Studies in Big Data, Vol. 5, Springer, 2014, pp. 17-48.
- BC4. **Tzagarakis, M.**, Karousos, N., Gkotsis, G., Kallistros, V., Christodoulou, S., Mettouris, C., Kyriakou, P. and Nousia D.: From 'Collecting' to 'Deciding': Facilitating the Emergence of Decisions in Argumentative Collaboration, in: Karacapilidis N (ed.), Web-Based Learning Solutions for Communities of Practice: Developing Virtual Environments for Social and Pedagogical Advancement, IGI Global, 2009.
- BC5. Karacapilidis, N. and **Tzagarakis, M.**: Supporting Argumentative Collaboration in Communities of Practice: The CoPe_it! approach. In: N. Karacapilidis (ed.), Solutions and Innovations in Web-Based Technologies for Augmented Learning: Improved Platforms, Tools and Applications, IGI Global, Hershey, PA, USA, 2009, pp. 245-257.
- BC6. Evangelou, C., **Tzagarakis, M.**, Karousos, N., Gkotsis, G. and Nousia, D.: Personalization Services for Online Collaboration and Learning, in: Karacapilidis N. (ed), Web-Based Learning Solutions for Communities of Practice: Developing Virtual Environments for Social and Pedagogical Advancement, Advances in Web-Based Learning Series, IGI Global, 2008
- BC7. Vaitis, M., and **Tzagarakis, M.**: Towards the Development of Open Cartographic Hypermedia Systems, in: Emmanuel Stefanakis, Michael P. Peterson, Costas Armenakis and Vasilis Delis (eds), Geographic Hypermedia, Springer, 2006, ISBN: 978-3-540-34237-3
- BC8. Bhaumik, A., Dixit, D., Galnares, R., Krishna, A., **Tzagarakis, M.**, Vaitis, M., Bieber, M., Oria, V., Lu, Q., Alljalad, F., Zhang, L.: "Integrating Hypermedia Functionality into Database Applications", in: Shirley Becker (ed.): Developing Quality Complex Database Systems, IDEA Group Publishing, 2001, pp. 69-99, ISBN: 1-878289-88-8.

7.7 Journal Publications

- J1. Mourelatos, E., Giannakopoulos, N. and **Tzagarakis, M.**: Payment schemes in online labour markets. Does incentive and personality matter?, Behaviour & Information Technology, 2023, DOI: <https://doi.org/10.1080/0144929X.2023.2254853>
- J2. Gkillas, K., Tantoula, M. and **Tzagarakis, M.**: Transaction activity and bitcoin realized volatility, Operations Research Letters, 2020.
- J3. E. Mourelatos, N. Giannakopoulos, **M. Tzagarakis**: Personality Traits and Performance in Online Labour Markets, Behaviour & Information Technology (BIT), 2020
- J4. Mourelatos, E., Giannakopoulos, N. and Tzagarakis, M.: Personality traits and performance in online labour markets, Behaviour & Information Technology, 2020, pp 1-17.

- J5. E. Mourelatos, **M. Tzagarakis**: An investigation of factors affecting the visits of online crowdsourcing and labor platforms, *NETNOMICS*, Volume 9, Issue 3, pp 95-130, 2018
- J6. E. Mourelatos, N. Frarakis, **M. Tzagarakis**: A Study on the Evolution of Crowdsourcing Websites, *European Journal of Social Sciences Education and Research*, Vol 11 (1), 2017, pp 29-40.
- J7. E. Mourelatos and **M. Tzagarakis**: Investigating Factors Influencing the Quality of Crowdsourced Work under Different Incentives: Some empirical Results, *International Journal of Innovation in the Digital Economy (IJIDE)*, Volume 7 Issue 2, 2016
- J8. E. Mourelatos and **M. Tzagarakis** and E. Dimara: A Review of Online Crowdsourcing Platforms, *South-Eastern Europe Journal of Economics (SEEJE)*, Vol 14, Issue 1, pp 59-73, 2016.
- J9. G. Tsiliki, N. Karacapilidis, S. Christodoulou and **M. Tzagarakis**: Collaborative Mining and Interpretation of Large-Scale Data for Biomedical Research Insights. *PLoS ONE* 9(9): e108600, 2014, doi: 10.1371/journal.pone.0108600.
- J10. Tsiliki, S. Kossida, N. Friesen, S. Rüping, **M. Tzagarakis** and N. Karacapilidis: A data mining based approach for collaborative analysis of biomedical data. *International Journal on Artificial Intelligence Tools*, Vol. 23, No 4, 2014, 1460010
- J11. **M. Tzagarakis** and N. Karacapilidis: Using Semantic Types to Formalize and Augment Complex Argumentative Discourses. *Intelligent Decision Technologies Journal*, Vol. 8, No 3, 2014, pp. 215-224.
- J12. N. Karacapilidis, **M. Tzagarakis** and S. Christodoulou: On a meaningful exploitation of machine and human reasoning to tackle data-intensive decision making. *Intelligent Decision Technologies Journal*, Vol. 7, No 3, 2013, pp. 225-236
- J13. G. Tsiliki, **M. Tzagarakis**, S. Christodoulou, S. Kossida and N. Karacapilidis: An innovative approach to enhance collaboration in the biomedical field. *International Journal of Systems Biology and Biomedical Technologies*, Vol. 2, No 1, 2013, pp. 51-64.
- J14. N. Karacapilidis, **M. Tzagarakis** and N. Karousos: Argumentation-based Learning for Communities of Practice. *International Journal of Knowledge Society Research*, Vol. 4, No 2, 2013, pp. 66-74.
- J15. Karacapilidis, N., **Tzagarakis, M.**, Christodoulou, S. and Tsiliki, G.: Facilitating and Augmenting Collaboration in the Biomedical Domain. *International Journal of Systems Biology and Biomedical Technologies*, Vol. 1, No 1, 2012, pp. 52-65.
- J16. Karacapilidis, N., Adamides, E., **Tzagarakis, M.** and Pappis, C. P.: Computer-supported collaboration in production management: an incremental formalization approach. *International Journal of Business and Systems Research*, Vol. 5, No 1, 2011, pp. 57-72.
- J17. Karacapilidis, N., **Tzagarakis, M.**, Karousos, N., Gkotsis, G., Kallistros, V., Christodoulou, S. Mettouris, C. and Nousia, D.: Tackling cognitively-complex collaboration with CoPe_it!. *International Journal of Web-Based Learning and Teaching Technologies*, Vol. 4, No 3, 2009, pp. 22-38.
- J18. **Tzagarakis, M.**, Karousos, N. and Karacapilidis, N.: Awareness mechanisms for web-based argumentative collaboration. *International Journal of Web-Based Learning and Teaching Technologies*, Vol. 3, No 4, 2008, pp. 74-89.
- J19. Karacapilidis, N. and **Tzagarakis, M.**: Web-based Collaboration and Decision Making Support: A Multi-disciplinary Approach. *International Journal of Web-Based Learning and Teaching Technologies*, Idea Group, Vol. 2, No 4, 2007, pp. 12-23.

- J20. Karousos, N., **Tzagarakis, M.**, Diolis, C. and Tsakalidis, A.: Selecting Services For WEB Applications: The Open Hypermedia Case, Journal on Web Engineering and Technology (JWE), Rinton Press, Vol. 6, No. 1, 2007.
- J21. Evangelou, C., **Tzagarakis, M.**, Karousos, N., Gkotsis, G. and Nousia, D. Augmenting Collaboration with Personalization Services. International Journal of Web-Based Learning and Teaching Technologies, Idea Group, Vol. 2, No 3, 2007.
- J22. Evangelou, C., Karacapilidis, N. and **Tzagarakis, M.**: On the Development of Knowledge Management Services for Collaborative Decision Making. Journal of Computers, Academy Publisher, Vol. 1, No. 6, 2006, pp. 19-28.
- J23. **Tzagarakis, M.**, Vaitis, M., Karousos, N.: Designing Domain-Specific Behaviors in Structural Computing, New Review of Hypermedia and Multimedia, Taylor and Francis, Vol. 12, Issue 2, 2006.
- J24. Vaitis, M., **Tzagarakis, M.**, Gkotsis G.: An Engineering Perspective on Structural Computing: Developing Structure Services for the Web, Journal of Web Engineering (JWE), Rinton Press, Vol. 5, No. 3, 2006.
- J25. Koutsoubos, I., Andrikopoulos V., **Tzagarakis, M.** Christodoulakis, D.: WMS: Towards a distributed network of Semantic Networks, Romanian Journal of Information Science and Technology, Romanian Academy, Special Issue on WordNets, Vol.7, Numbers 1-2, 2004.
- J26. **Tzagarakis, M.**, Avramidis, D., Kyriakopoulou, M., schraefel, m., Vaitis, M., Christodoulakis, D.: Structuring Primitives in the Callimachus Component-Based Open Hypermedia System, Journal of Network and Computer Applications, Special Issue on Structural Computing, Elsevier, Vol. 26, No. 1, 2003.

7.8 ACM, IEEE και WWW Conference Publications

- A1. **Tzagarakis, M.** and Karacapilidis, N.: Developing argumentation services based on hypermedia systems, In proceedings of the HUMAN23 Workshop, In conjunction with HT'23, Rome Italy, 2023.
- A2. Atzenbeck, C., Grigar, D. and **Tzagarakis, M.**: Interdisciplinary Teaching Toward the Next Generation Hypertext Researchers, In: Proceedings of the 34th ACM Conference on Hypertext and Social Media (HT'23), Rome, Italy, 2023.
- A3. Atzenbeck, C., Roßner, D. and **Tzagarakis, M.**: Mother – An Integrated Approach to Hypertext Domains. In: Proceedings of the 29th ACM Conference on Hypertext and Social Media (HT'18), pages 145–149. ACM, 2018.
- A4. Atzenbeck, C., Schedel, T., **Tzagarakis, M.**, Roßner, D. and Mages, L.: Revisiting Hypertext Infrastructure, 28th ACM Conference on Hypertext and Hypermedia, 2017. **Nominated for the Douglas Engelbart Best Paper Award**
- A5. N. Karacapilidis, S. Christodoulou, **M. Tzagarakis**, G. Tsiliki and C. Pappis: Strengthening Collaborative Data Analysis and Decision Making in Web Communities. In: Proceedings of the 23rd International World Wide Web Conference (WWW2014), Companion Volume - Workshop on Web Intelligence and Communities, Seoul, Korea, April 7-11, 2014, pp. 1005-1010.
- A6. Tsiliki, G., Kossida, S., Friesen, N., Rüping, S., **Tzagarakis, M.** and Karacapilidis, N.: Data mining based collaborative analysis of microarray data. In: Proceedings of the 24th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2012), Athens, Greece, November 7-9, 2012.

- A7. de la Calle, G., Garcia-Remesal, M., **Tzagarakis, M.**, Christodoulou, S., Tsiliki, G. and Karacapilidis, N.: On a Meaningful Integration of Web Services in Data-Intensive Biomedical Environments: The Dicode Approach. In Proceedings of the 25th IEEE International Symposium on Computer-Based Medical Systems (CBMS 2012), Rome, Italy, June 20-22, 2012.
- A8. Karacapilidis, N., **Tzagarakis, M.**, Christodoulou, S. and Tsiliki, G.: Facilitating Scientific Collaboration in Data-Intensive Biomedical Settings. In Proceedings of the 10th IEEE International Workshop on Biomedical Engineering, Kos Island, Greece, October 5-7, 2011, CD-ROM version (paper #369).
- A9. **Tzagarakis, M.**, Vaitis, M. and Karousos, N.: Supporting the Design of Behaviors in Callimachus. In Proceedings of 17th ACM Conference on Hypertext, Odense, Denmark, August 22-25, 2006, pp. 115-118.
- A10. Karousos, N., **Tzagarakis, M.** and Pandis, I.: Increasing the Usage of Open Hypermedia Systems: A Developer-Side Approach, In Proceedings of the 14th Conference on Hypertext and Hypermedia, Nottingham, UK, August 26-30, 2003, pp. 148-149.
- A11. Karousos, N., Pandis, I., Reich, S. and **Tzagarakis, M.**: Offering Open Hypermedia Services to the WWW: a Step-by-Step Approach for Developers, In Proceedings of the 12th International World Wide Web Conference (WWW 2003), Budapest, Hungary, May 20-23, 2003.
- A12. Bhaumik, A., Dixit, D., Galnares, R., Krishna, A., **Tzagarakis, M.**, Vaitis, M., Bieber, M., Oria, V., Lu, Q., Aljalad, F., Zhang, L.: Towards Hypermedia Support for Database Systems, in proceedings of the 34th Hawaii Intl. Conference on System Sciences (HICSS-34), IEEE Computer Society, January 3-6, 2001.
- A13. **Tzagarakis, M.**, Karousos, N., Christodoulakis, D. and Reich, S.: Naming as a Fundamental Concept of Open Hypermedia Systems, In Proc. of the 11th ACM Conference on Hypertext and Hypermedia, San Antonio, May 30 - June 3, 2000, pp.103-112. (**SIGWEB Ted Nelson Newcomer Award Candidate**)
- A14. **Tzagarakis, M.**, Vaitis, M., Papadopoulos, A. and Christodoulakis, D.: The Callimachus Approach to Distributed Hypermedia, In Proc. of the 10th ACM Conference on Hypertext and Hypermedia, Darmstadt, Germany, February 21-25, 1999, pp. 47-48.

7.9 Publications in the Lecture Notes in Computer Science Series (Springer)

- LN1. Karacapilidis, N., Rüping, S., **Tzagarakis, M.**, Poigné, A. and Christodoulou, S.: Building on the synergy of machine and human reasoning to tackle data-intensive collaboration and decision making. In: J. Watada, G. Philips-Wren, L.C. Jain and R.J. Howlett (eds.), Intelligent Decision Technologies - Proceedings of the 3rd International Conference on Intelligent Decision Technologies (IDT 2011), Piraeus, Greece, July 20-22, Springer-Verlag, Berlin, Smart Innovation, Systems and Technologies, Vol. 10, 2011, pp. 113-122. (**Best Research Paper award**)
- LN2. **Tzagarakis, M.**, Karousos, N. and Karacapilidis, N.: On the Development of Web-based Argumentative Collaboration Support Systems. In M. Lytras, E. Damiani, J. Carroll, R. Tennyson, D. Avison, A. Naeve, A. Dale, P. Lefrere, F. Tan, J. Sipior and G. Vossen (eds.), Visioning and Engineering the Knowledge Society: A Web Science Perspective - Proceedings of the 2nd World Summit on the Knowledge Society (WSKS 2009), Crete, Greece, September 16-18, 2009, Springer-Verlag, Berlin, Lecture Notes in AI, Vol. 5736, 2009, pp. 306-315.
- LN3. Karacapilidis, N. and **Tzagarakis, M.**: Supporting Incremental Formalization in Collaborative Learning Environments. In E. Duval, R. Klamma and M. Wolpers (eds.), Proceedings of the 2nd European Conference on Technology Enhanced Learning (EC-

TEL 2007), Crete, Greece, September 17-20, 2007, Springer-Verlag, Berlin, Lecture Notes in CS, Vol. 4753, pp. 127-142.

- LN4. Vaitis, M., **Tzagarakis, M.**, Gkotsis G. and Vlachogeorgakopoulos P.: Structural Engineering: Processes and Tools for Developing Component-Based Open Hypermedia Systems, in: Metainformatics (International Symposium, MIS 2004, Salzburg, Austria, September 15-18, 2004. Revised Selected Papers), LNCS 3511, 2005, 113-128.
- LN5. Vaitis, M., **Tzagarakis, M.**, Grivas K. and Chrysochoos, E.: Some Notes on Behavior in Structural Computing, in: Metainformatics (International Symposium, MIS 2003, Graz, Austria, September 17-20, 2003. Revised Papers), LNCS 2994, 2004, 143-149.
- LN6. Karousos, N., Panaretou, I., Pandis, I. and **Tzagarakis, M.**: Babylon Bookmarks: a Taxonomic Approach to the Management of WWW Bookmarks, in: Metainformatics (International Symposium, MIS 2002, Esbjerg, Denmark, August 7-10, 2002. Revised Selected Papers), LNCS 2641, 2003, 42-48.
- LN7. Avramidis, D., Kyriakopoulou, M., Stamou, S., **Tzagarakis, M.** and Christodoulakis, D.: Approaching Wordnets through a Structural Point of View, in: Metainformatics (International Symposium, MIS 2002, Esbjerg, Denmark, August 7-10, 2002. Revised Selected Papers), LNCS 2641, 2003, 49-57.
- LN8. Kyriakopoulou, M., Avramidis, D., Vaitis, M., **Tzagarakis, M.** and Christodoulakis, D.: Broadening Structural Computing Systems towards Hypermedia Development. in: Hypermedia: Openness, Structural Awareness, and Adaptivity (International Workshops OHS-7, SC-3, and AH-3, Aarhus, Denmark, August 14-18, 2001. Revised Papers), LNCS 2266, 2002, 131-140.
- LN9. **Tzagarakis, M.**: Introduction to SC3. in: Hypermedia: Openness, Structural Awareness, and Adaptivity (International Workshops OHS-7, SC-3, and AH-3, Aarhus, Denmark, August 14-18, 2001. Revised Papers), LNCS 2266, 2002, 118-119.
- LN10. Vaitis, M., Papadopoulos, A., **Tzagarakis, M.**, and Christodoulakis, D.: Towards Structure Specification for Open Hypermedia Systems, in: Open Hypermedia Systems and Structural Computing (6th International Workshop, OHS-6, 2nd International Workshop, SC-2, San Antonio, Texas, USA, May 30 - June 4, 2000. Proceedings), LNCS 1903, 2000, 160-169.
- LN11. Ntoulas, A., Stamou, S., Tsakou, I., Tsalidis, C., **Tzagarakis, M.** and Vagelatos, A.: Use of a Morphosyntactic Lexicon as the Basis for the Implementation of the Greek Wordnet, in: Natural Language Processing - NLP 2000 (2nd International Conference on Natural Language Processing, Patras, Greece, Jun. 2-4, 2000. Proceedings), LNCS 1835, 2000, 49-56.

7.10 Conference and Workshop Publications

- C1. Mourelatos, E., Frarakis, F., **Tzagarakis, M.**: A Study on the Evolution of Crowdsourcing Websites, 13th International Conference on Social Sciences (ICSS XIII), Vienna, 6-7 October, 2017.
- C2. Mourelatos, E. and **Tzagarakis, M.**: Worker's Cognitive Abilities and Personality Traits as Predictors of Effective Task Performance in Crowdsourcing Tasks, PQS 2016 5th ISCA/DEGA Workshop on Perceptual Quality of Systems 29-31 Aug 2016, Berlin, Germany, 2016
- C3. S. Christodoulou, **M. Tzagarakis**, N. Karacapilidis, F. Yang-Turner, L. Lau and V. Dimitrova: Collaboration and Decision Making in Data-Intensive and Cognitively-Complex Settings: Lessons Learned from the Dicode Project. In: N. Karacapilidis (ed.), Mastering Data-Intensive Collaboration and Decision Making, Studies in Big Data, Vol. 5, Springer, 2014, pp. 213-226.
- C4. **M. Tzagarakis**, S. Christodoulou and N. Karacapilidis: Alleviating Cognitive Overload in Collaboration Support Systems. In: R. Neves-Silva, G.A. Tsihrintzis, V. Uskov, R.J. Howlett

- and L.C. Jain (eds.), Smart Digital Futures 2014 - Proceedings of the 6th International Conference on Intelligent Decision Technologies (IDT 2014), Chania, Greece, June 18-20, 2014, IOS Press BV, Amsterdam, Netherlands, Frontiers in Artificial Intelligence and Applications, Vol. 262, pp. 172-181.
- C5. L. Lau, V. Dimitrova, F. Yang-Turner, **M. Tzagarakis**, N. Karacapilidis and S. Christodoulou: Understanding Collaborative Sensemaking Behaviour using Semantic Types in Interaction Data. In: R. Neves-Silva, G.A. Tsihrantzis, V. Uskov, R.J. Howlett and L.C. Jain (eds.), Smart Digital Futures 2014 - Proceedings of the 6th International Conference on Intelligent Decision Technologies (IDT 2014), Chania, Greece, June 18-20, 2014, IOS Press BV, Amsterdam, Netherlands, Frontiers in Artificial Intelligence and Applications, Vol. 262, pp. 190-199.
- C6. **M. Tzagarakis** and N. Karacapilidis: On the Exploitation of Semantic Types in the Visualization of Complex Argumentative Discourses. In: Proceedings of the 2nd International Workshop on Intelligent Exploration of Semantic Data (IESD 2013), Paris, France, May 1, 2013 (held in conjunction with the Hypertext 2013 Conference), pp. 3:1-3:7.
- C7. N. Karacapilidis, G. Tsiliki, **M. Tzagarakis**, S. Christodoulou, N. Friesen and S. Rueping: Collaborative discovery of biomedical knowledge: The Dicode platform. In: Matthias Korn, Tommaso Colombino and Myriam Lewkowicz (eds.), Adjunct Proceedings of the 13th European Conference on Computer Supported Cooperative Work (ECSCW 2013), Paphos, Cyprus, September 21-25, 2013, pp. 123-124.
- C8. N. Karacapilidis, G. Tsiliki and **M. Tzagarakis**: Enhancing Collaboration in Big Biomedical Data Settings: Knowledge Visualization, Data Mining and Decision Making Issues. In: Markus Helfert, Chiara Francalanci and Joaquim Filipe (eds.), Proceedings of the 2nd International Conference on Data Management Technologies and Applications (DATA 2013), Reykjavik, Iceland, July 29-31, 2013, pp. 23-31.
- C9. S. Christodoulou, N. Karacapilidis and **M. Tzagarakis**: Advancing collaborative decision making through alternative visualizations and reasoning mechanisms. In: R. Neves-Silva, J. Watada, G. Philips-Wren, L.C. Jain and R.J. Howlett (eds.), Intelligent Decision Technologies - Proceedings of the 5th International Conference on Intelligent Decision Technologies (IDT 2013), Sesimbra, Portugal, June 26-28, 2013, IOS Press BV, Amsterdam, Netherlands, Frontiers in Artificial Intelligence and Applications, Vol. 255, pp. 38-47.
- C10. de la Calle, G., Alonso-Martinez, E., **Tzagarakis, M.** and Karacapilidis, N.: The Dicode Workbench: A Flexible Framework for the Integration of Information and Web Services. In: Proceedings of the 14th International Conference on Information Integration and Web-based Applications & Services (iiWAS2012), Bali, Indonesia, December 3-5, 2012.
- C11. Karacapilidis, N., Loeffler, R., Maassen, D. and **Tzagarakis, M.**: Augmenting Social Media Monitoring through Human Collaboration. In: Manuel Graña, Carlos Toro, Jorge Posada, Robert J. Howlett and Lakhmi C. Jain (eds.), Advances in Knowledge-Based and Intelligent Information and Engineering Systems - Proceedings of the 16th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems (KES 2012), San Sebastian, Spain, September 10-12, 2012, IOS Press, Frontiers in Artificial Intelligence and Applications, Vol. 243, pp. 1021-1030. (<http://booksonline.iospress.nl/Content/View.aspx?piid=32042>)
- C12. Karacapilidis, N., Rüping, S., Tsiliki, G. and **Tzagarakis, M.**: Towards a Meaningful Analysis of Big Data: Enhancing Data Mining Techniques through a Collaborative Decision Making Environment. In: Markus Helfert, Chiara Francalanci and Joaquim Filipe (eds.), Proceedings of the 1st International Conference on Data Technologies and Applications (DATA 2012), Rome, Italy, July 25-27, 2012, pp. 141-146.
- C13. Karacapilidis, N. and **Tzagarakis, M.**: Towards a Seamless Integration of Human and Machine Reasoning in Data-Intensive Collaborative Decision Making Settings: The Dicode Approach. In: Ana Respicio and Frada Burstein (eds.), Fusing Decision Support Systems into the Fabric of the Context – Proceedings of the 16th IFIP WG8.3 International Conference on Decision Support Systems (DSS 2012), Anavissos, Greece, June 28-30, 2012, IOS Press, Amsterdam, pp. 223-228.
- C14. Karacapilidis, N., **Tzagarakis, M.** and Karousos, N.: Argumentation-based Learning for Communities of Practice. In Proceedings of the 9th Learning and Technology Conference

- "Learning by Design: Purpose, Art & Motion" (L&T 2011), Jeddah, Saudi Arabia, December 12-13, 2011, CD-ROM version.
- C15. Karacapilidis, N., Karousos, N., **Tzagarakis, M.** and Christodoulou, S.: Mitigating the cognitive overload of contemporary argumentation-based collaboration settings. In: D. Georgakopoulos and J.B.D. Joshi (eds.), Proceedings of the 7th International Conference on Collaborative Computing: Networking, Applications and Worksharing (CollaborateCom 2011), Orlando, FL, USA, October 15-18, 2011, pp. 516-519
 - C16. Ammari, A., Dimitrova, V., Lau, L., **Tzagarakis, M.** and Karacapilidis, N.: Augmented Collaborative Spaces for Collective Sense Making: The Dicode Approach. In: A. Paramythis, L. Lau, S. Demetriadis, M. Tzagarakis and S. Kleanthous (eds.), Proceedings of the International Workshop on Adaptive Support for Team Collaboration 2011 (ASTC 2011), Girona, Spain, July 15, 2011, CEUR Workshop Proceedings, Vol. 743, pp. 3-13.
 - C17. Karousos, N., Papaloukas, S., Kostaras, N., Xenos, M., **Tzagarakis, M.** and Karacapilidis, N.: Usability Evaluation of Web-based Collaboration Support Systems: the case of CoPe_it!. In: M.D. Lytras, P. Ordonez De Pablos, A. Ziderman, A. Roulstone, H. Maurer and J.B. Imber (eds.), Knowledge Management, Information Systems, E-Learning, and Sustainability Research - Proceedings of the 3rd World Summit on the Knowledge Society (WSKS 2010), Part I, Corfu, Greece, September 22-24, 2010, Springer-Verlag, Berlin, Communications in Computer and Information Science, Vol. 111, pp. 248-258.
 - C18. **Tzagarakis, M.**, Karacapilidis, N., Karousos, N., el Helou, S., Gillet, D. and Esnault, L.: Practical Lessons Learned while Developing Web 2.0 Collaboration Services for Communities of Practice. In: A. Mills, J. Gutierrez, K. Osei-Bryson and L. Janczewski (eds.), Proceedings of the 2010 International Conference on Information Resources Management (Conf-IRM 2010), Montego Bay, Jamaica, May 16-18, 2010, CD-ROM version (paper #41P).
 - C19. **Tzagarakis, M.**, Gkotsis, G., Hatzitaskos, M., Karousos, N. and Karacapilidis, N.: CoPe_it!: Argumentative Collaboration towards Learning. In A. Dimitracopoulou, C. O'Malley, D. Suthers and P. Reimann (eds.), Computer Supported Collaborative Learning Practices: CSCS 2009 Community Events Proceedings, Rhodes, Greece, June 8-13, 2009, International Society of the Learning Sciences, pp. 126-128. (**Best Technology Design Award Nominee**).
 - C20. Karacapilidis, N., **Tzagarakis, M.**, Karousos, N., Gkotsis, G., Kallistros, V., Christodoulou, S., Nousia, D., Mettouris, C. and Kyriakou, P.: CoPe_it! - Supporting collaboration, enhancing learning. In: G. Ditsa, S. Conger and L. Janczewski (eds.), Proceedings of the 2009 International Conference on Information Resources Management (Conf-IRM 2009), Al Ain, UAE, May 21-23, 2009, CD-ROM version (paper #11)
 - C21. **Tzagarakis, M.**, Karousos, N., Karacapilidis, N. and Nousia, D.: Unleashing Argumentation Support Systems on the Web: The case of CoPe_it!. In Proceedings of the Web Science 2009 Conference, Athens, Greece, March 18-20, 2009.
 - C22. Karacapilidis, N., **Tzagarakis, M.**, and Karousos, N.: Augmenting Awareness in Data-Intensive Web-Based Collaboration, 4th IASTED Conference on Advances in Computer Science and Technology (ACST 2008), April 2 – 4, Langkawi, Malaysia, ACTA Press, 2008.
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 - C24. Karacapilidis, N., Adamides, E., **Tzagarakis, M.**, and Pappis, C.: Computer Supported Collaboration in Production Management: An Incremental Formalization Approach, 15th International Working Seminar on Production Economics, March 3-7, Innsbruck, Austria, 2008
 - C25. **Tzagarakis, M.**, Karousos, N., Gkotsis, G., Kallistros, V., Christodoulou, S., Mettouris, C., Kyriakou, P. and Nousia, D.: From 'Collecting' to 'Deciding': Facilitating the Emergence of Decisions in Argumentative Collaboration. In Proceedings of the 2nd International Workshop on Building Technology Enhanced Learning Solutions for Communities of Practice (TEL CoPs' 07), CEUR Workshop Proceedings, Vol 308, Crete, Greece, September 17, 2007, pp. 87-96, <http://ceur-ws.org/Vol-308>
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- C27. Mchedlidze, T., Symvonis, A. and **Tzagarakis, M.**: Analysis of the Greek Web-Space, In Proceedings of the 11th Panhellenic Conference on Informatics, Patras, Greece, 2007.
 - C28. Evangelou, C., Gkotsis, G., Karacapilidis, N., Karousos, N., **Tzagarakis, M.**: Enhancing Knowledge Sharing within Communities of Practice: An ICT Framework. In Proceedings of the 3rd Asia-Pacific International Conference on Knowledge Management (KMAP 2006), Hong Kong, December, 11-13, 2006, CD-ROM version.
 - C29. Gkotsis, G., Evangelou, C., Karacapilidis, N., **Tzagarakis, M.**: Building Collaborative Knowledge-Based Systems: A Web Engineering Approach. In Proceedings of the IADIS International Conference WWW/Internet 2006, Murcia, Spain, October 5-8, 2006, pp. 167-171.
 - C30. Karousos, N., Pandis, I., **Tzagarakis, M.** and Vaitis, M.: Supporting the Provision of Specialized Taxonomic Hypermedia Services to Web Applications, in proceedings of the Intl' Workshop on Architectures, Models and Infrastructures to Generate Semantics in Peer to Peer and Hypermedia Systems, in conjunction with the 17th ACM Intl' Conference on Hypertext and Hypermedia – Hypertext '06, Odense, Denmark, 2006.
 - C31. **Tzagarakis, M.**, Vaitis, M. and Karousos, N.: Supporting the Evolution of Service Oriented Web Applications using Design Patterns, in proceedings of the 1st Intl' Workshop on Web Maintenance and Reengineering (in conjunction with the 10th European Conference on Software Maintenance and Reengineering – CSMR 2006), CEUR Workshop Proceedings Vol. 193, 2006, pp. 35-40, <http://ceur-ws.org/Vol-193>
 - C32. Vaitis, M., and **Tzagarakis, M.**: Towards the Development of Open Cartographic Hypermedia Systems, 1st International Workshop on Geographic Hypermedia: Concepts and Systems. In Conjunction with Annual Meeting of the Association of American Geographers (AAG), Denver, Colorado, April 5-9, 2005.
 - C33. Gkotsis, G., **Tzagarakis, M.** and Vaitis, M.: Towards Structural Computing Design, in proceedings of the 4th Intl' Metainformatics Symposium (MIS '05), Esbjerg, Denmark, 2005
 - C34. Vaitis, M., **Tzagarakis, M.** and Gkotsis, G.: Structural Analysis of Applications: Translating Conceptual to Hypermedia Models, in proceedings of the 2nd Intl' Hypertext and Web Engineering Workshop (in conjunction with the 16th ACM Intl' Conference on Hypertext and Hypermedia – Hypertext '05), Salzburg, Austria, 2005.
 - C35. Vaitis, M., **Tzagarakis, M.** and Gkotsis, G.: An Engineering Perspective on Structural Computing: Developing Component-Based Open Hypermedia Systems, 1st International Workshop on Web Engineering, in conjunction with the 15th ACM Conference on Hypertext and Hypermedia, Santa Cruz, California, 2004.
 - C36. Karousos, N., **Tzagarakis, M.** and Koumbarou, N.: Selecting Services for Web Applications: The Open Hypermedia Case, 1st International Workshop on Web Engineering, in conjunction with the 15th ACM Conference on Hypertext and Hypermedia, Santa Cruz, California, 2004.
 - C37. Vaitis, M., **Tzagarakis, M.**, and Gkotsis, G.: Patterns in Hypermedia, In proceeding of the 1st PANDA WORKSHOP on Pattern-based Management Systems (PBMS), Italy, Como, 2003.
 - C38. Avramidis, D., Kyriakopoulou, M., Kourousias, G., Stamou, S., and **Tzagarakis, M.**: Viewing Semantic Networks as Hypermedia, In proceedings of the Workshop on Wordnet Structures and Standardization, in conjunction with the 3rd Language Resources and Evaluation Conference (LREC), May 28, Las Palmas, Spain, 2002.
 - C39. Ntoulas, A., Stamou, S., **Tzagarakis, M.**, Tsakou, I., Christodoulakis, D.: Viewing Web Search Engines as Corpus Query Systems, In Proceedings of the 6th Conference on Computational Lexicography and Corpus Research (COMPLEX 2001), Mason Hall, University of Birmingham, Birmingham, UK, Jun. 28-30, 2001.
 - C40. Ntoulas, A., Stamou, S., **Tzagarakis, M.**, Christodoulakis, D.: Understanding Search Engines: Requirements for Explaining Search Results, In Proceedings of the Panhellenic Conference in Human Computer Interaction (PCHCI), 2001, Patras, Greece.

- C41. Ntoulas, A., Stamou, S. and **Tzagarakis, M.**: Using a WWW Search Engine to Evaluate Normalization Performance for a Highly Inflectional Language, In proceedings of the ACL/EACL Student Research Workshop, Toulouse, France, Jul. 6-11, 2001.
- C42. **Tzagarakis, M.**, Vaitis, M., Papadopoulos, A. and Christodoulakis, D.: A Name Service for Open Hypermedia Systems, In Proceedings of the 1st International Workshop on Structural Computing, Technical Report AUE-CS-99-04, Aalborg University Esbjerg, Denmark, 1999, pp. 30-33.
- C43. Papadopoulos, A., Vaitis, M., **Tzagarakis, M.**, Christodoulakis, D., A Methodology for Flexible Authoring of Structured Hypertext Applications, In Proceedings of the 10th World Conference on Educational Multimedia and Hypermedia (ED-MEDIA), Freiburg, Germany, 1998, vol. 2, pp. 1064-1069.

7.11 Poster Presentations

- P1. Karousos, N., Papadakis, S., Xenos, M., Karacapilidis, N. and **Tzagarakis, M.**: Development of argumentation skills via Learning Management Systems - Bringing Together Argumentation Support Tools and Learning Management Systems. In Proceedings of the International Conference on Knowledge Engineering and Ontology Development (KEOD 2011), Paris, France, October 26-29, 2011, SciTePress, pp. 474-477.
- P2. Papadopoulos, A., Vaitis, M., **Tzagarakis, M.**, Papoutsis, K.: Constraint-based Hypertext Authoring and Evaluation, 8th International ACM Conference on Hypertext (Hypertext '97), Southampton, UK, April 6-11, 1997.

7.12 Other Publications

- O1. Karacapilidis, N., Nousia, D. and **Tzagarakis, M.**: CoPe_it! Supporting Incremental Formalization in Collaborative Learning Environments, ERCIM News, Number 71, October 2007.

7.13 Awards and Distinctions

- AW1. **Douglas Engelbart Award Nominees - best paper nominee, 28th ACM Hypertext Conference, Prague, Czech Republic, 2017**
Atzenbeck, C., Schedel, T., **Tzagarakis, M.**, Roßner, D. and Mages, L.: Revisiting Hypertext Infrastructure, 28th ACM Conference on Hypertext and Hypermedia, Prague, Czech Republic, 2017.
- AW2. **Best Research Paper Award, 3rd International Conference on Intelligent Decision Technologies (IDT), Piraeus, Greece, 2011**
Karacapilidis, N., Rüping, S., **Tzagarakis, M.**, Poigné, A. and Christodoulou, S.: Building on the synergy of machine and human reasoning to tackle data-intensive collaboration and decision making. In: J. Watada, G. Philips-Wren, L.C. Jain and R.J. Howlett (eds.), Intelligent Decision Technologies - Proceedings of the 3rd International Conference on Intelligent Decision Technologies (IDT 2011), Piraeus, Greece, July 20-22, Springer-Verlag, Berlin, Smart Innovation, Systems and Technologies, Vol. 10, 2011, pp. 113-122.
- AW3. **Best Technology Design Award Nominee, 8th International Computer Supported Collaborative Learning Conference (CSCL), Rhodes, Greece, 2009**
Tzagarakis, M., Gkotsis, G., Hatzitaskos, M., Karousos, N. and Karacapilidis, N.: CoPe_it!: Argumentative Collaboration towards Learning. In A. Dimitracopoulou, C. O'Malley, D. Suthers and P. Reimann (eds.), Computer Supported Collaborative Learning Practices:

CSCS 2009 Community Events Proceedings, Rhodes, Greece, June 8-13, 2009, International Society of the Learning Sciences, pp. 126-128.

AW4. **Recognition of Service Award, 16th ACM Hypertext Conference, Salzburg, Austria, 2005**

AW5. **SIGWEB Ted Nelson Newcomer Award Nominee, 11th ACM Hypertext Conference, San Antonio, TX, 2000**

Tzagarakis, M., Karousos, N., Christodoulakis, D. and Reich, S.: Naming as a fundamental concept of open hypermedia systems. In Proc. of the 11th ACM Conference on Hypertext and Hypermedia, San Antonio, May 30 - June 3, 2000, pp.103-112.

7.14 Invited Lectures

- IL1. *"An Introduction to the Blockchain and its Role in Cryptocurrencies"*, International Teaching Week, Hof University of Applied Sciences, Hof Germany, 2019.
- IL2. *"Small to medium sized companies in the new era of the World Wide Web"*, Workshop on Sustainability and Development of Retail, Patras, May, 2012.
- IL3. *"The Impact of New Technologies in Language Learning"*, 27th Conference of the Panhellenic Foreign Language Institutes, Thessaloniki, August 2008.
- IL4. *"Infrastructures for Peer to Peer Hypermedia"*, University of Esbjerg, Department of Computer Science, Esbjerg, Denmark, June 2005.
- IL5. *"Lectures on Structural Computing: On Behavior in Structural Computing"*, University of Esbjerg, Department of Computer Science, Esbjerg, Denmark, January 2003.
- IL6. *"Lectures on Structural Computing: The Callimachus CB-OHS: An Approach to Structural Computing"*, University of Esbjerg, Department of Computer Science, Esbjerg, Denmark, August 2002.

8. Professional Activities

8.1 Conference and Workshop Organization

1. 30th ACM Conference on Hypertext and Hypermedia, Track chair, <https://human.iisys.de/ht2019/call-for-papers/>
2. International Workshop on Adaptive Support for Team Collaboration – ASTC 2011, In conjunction with the 19th Conference on User Modeling, Adaptation and Personalization (UMAP), Girona, Spain, 2011. <http://astc2011.ascolla.org/>
3. 1st SociUM Workshop: Adaptation and Personalization in Social Systems: Groups, Teams, Communities, In conjunction with 11th International Conference on User Modeling, Corfu, Greece, 2007
4. International Workshop on Architectures, Models and Infrastructures to generate Semantics in Peer to Peer and Hypermedia Systems (in conjunction with the 17th ACM Conference on Hypertext and Hypermedia - ACM Hypertext 2006). Odense, Denmark, August 23-25, 2006
5. 16th ACM Conference on Hypertext and Hypermedia, Salzburg, Austria, 6-9 September 2005, Program Chair, (<http://www.ht05.org/>)
6. 15th ACM Conference on Hypertext, 2004, Santa Cruz, California, Workshops Chair.
7. 3rd International Workshop on Structural Computing. Workshop Organizer, in conjunction with the 12th ACM Conference on Hypertext and Hypermedia, University of Aarhus, Aarhus, Denmark, August 14-18, 2001, Organizer (<http://www.ht01.org/workshops.html#w3>)

8.2 Journals

8.2.1 Member of Editorial Review Board

1. International Journal of Systems Biology and Biomedical Technologies (IJSBBT), IGI Global, <http://www.igi-global.com/journal/international-journal-systems-biology-biomedical/44659>

8.2.2 Reviewer

1. ACM Transactions on the Web (TWEB), <http://tweb.acm.org/> .
2. International Journal of Web Engineering and Technology (IJWET), <http://www.inderscience.com/jhome.php?jcode=ijwet>.
3. Journal of Software Engineering & Knowledge Engineering, <http://www.ksi.edu/ijsk.html>.
4. Journal of Network and Computer Applications, <http://www.journals.elsevier.com/journal-of-network-and-computer-applications/>.
5. Journal on Patterns (IJOP).

8.3 Conference Program Committee Memberships

1. 7th International Conference On Knowledge Engineering and Ontology Development, KEOD 2015, Lisbon, Portugal, 2015
2. 29th ACM Symposium On Applied Computing, Web Technologies Tracj, Gyeongju, Korea, 2014
3. 24th ACM Conference on Hypertext and Social Media, Paris, France, 2013
4. 10th International Conference on Computer Supported Collaborative Learning, Madison, Wisconsin, 2013
5. 28th Symposium On Applied Computing - ACM SAC, Coimbra, Portugal, 2013
6. 23rd ACM Conference on Hypertext and Social Media, Milwaukee, WI, 2012
7. 27th Symposium On Applied Computing - ACM SAC, Trento, Italy, 2012
8. 22nd ACM Conference on Hypertext and Hypermedia, Eindhoven, 2011
9. 26th Symposium On Applied Computing (ACM SAC), Taichung, Taiwan, 2011
10. IADIS WWW/Internet 2009 Conference, Rome, Italy, 2009
11. 20th ACM Conference on Hypertext, Torino, Italy, 2009
12. I-KNOW 2008, 8th International Conference on Knowledge Management, Graz, Austria, 2008
13. 19th ACM Conference on Hypertext, Pittsburgh, Pennsylvania, 2008
14. 18th ACM Conference on Hypertext, Manchester, UK, 2007
15. TEL-CoPs'07 - 2nd International Workshop on Building Technology Enhanced Learning solutions for Communities of Practice, Crete, Greece, 2007
16. I-KNOW 2007, 7th International Conference on Knowledge Management, Graz, Austria, 2007
17. WWW/Internet 2007 - IADIS International Conference. Vila Real, Portugal, 2007
18. SPAC 2007, 1st IEEE International Workshop on Software Patterns: Addressing Challenges, Beijing, China.
19. ICTAI 2007, 19th IEEE International Conference on Tools with Artificial Intelligence.
20. 17th ACM Conference on Hypertext, Odense, Denmark, 2006
21. TEL-CoPs'06 - 1st International Workshop on Building Technology Enhanced Learning solutions for Communities of Practice, Crete, Greece, October 2006
22. IEEE/WIC/ACM International Conference on Web Intelligence, 2006
23. WWW/Internet 2006 - IADIS International Conference. Murcia, Spain, October 5-8, 2006.

24. 1st International Workshop on Web Maintenance and Reengineering, Bari, Italy, 2006.
25. MIS 2005, 4th International Metainformatics Symposium, Esbjerg, Denmark, 2005.
26. 1st International Workshop "Geographic Hypermedia: Concepts and Systems". In Conjunction with Annual Meeting of the Association of American Geographers (AAG), Denver, Colorado, April 5-9, 2005.
27. International Workshop on "Computational Hypermedia: Hypermedia Integrated with Computational Support". In Conjunction with the 16th ACM Conference on Hypertext and Hypermedia, Salzburg, Austria, 2005.
28. 1st International Workshop "Geographic Hypermedia: Concepts and Systems". In Conjunction with Annual Meeting of the Association of American Geographers (AAG), Denver, Colorado, April 5-9, 2005.
29. 4th International Workshop on Efficient and Experimental Algorithms (WEA), Santorini Island, Greece, 2005.
30. MIS 2004, 3rd International Metainformatics Symposium, Salzburg, Austria, 2004.
31. MIS 2003, 2nd International Metainformatics Symposium, Graz, Austria, 2003.
32. MIS 2002, 1st International Metainformatics Symposium, Esbjerg, Denmark, 2002.

9. Research Interests

- Data Management
- Hypertext and Hypermedia
 - Hypertext systems, Spatial Hypermedia
- Data mining and Machine learning
- Data Science
- Internet Economy
- Crowdsourcing
- Cryptocurrencies
- Collaboration and Decision Support Systems
- Computer-Supported Argumentation
- Knowledge Management Systems
- Web Engineering
- Web-based Information Systems