

CURRICULUM VITAE
Dr Stavroula BARBOUNAKI
(December 2023)

PERSONAL DATA

YEAR OF BIRTH: 1969
NATIONALITY: HELLENIC
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CURRENT POSITION

2022 Assistant Professor at the University of West Attica (UniWA), Faculty of Health and Caring Sciences, Department of Midwifery

EDUCATION

1993 - 1997: PhD in Intelligent Biomedical Engineering (Doctorat)
Université Paris V - René Descartes, France
(UFR Biomédicale des Saints Pères)
1992 - 1993: MSc in Intelligent Biomedical Engineering (Diplômes d'Études
Approfondies – DEA, Genie Biomedical)
Université de Technologie de Compiègne (UTC), France
1987 - 1992: Diploma of Electrical and Computer Engineering (5-year course)
National Technical University of Athens (NTUA), Greece,
Department of Electrical and Computer Engineering

PROFESSIONAL EXPERIENCE

- 2022 to date: Assistant Professor at the University of West Attica (UniWA), Faculty of Health and Caring Sciences, Department of Midwifery
- 2019 to 2022: Director of the General Secretary Office of Culture, Ministry of Culture and Sports
- 2000 to 2019: Lecturer in IT Systems and Services, Merchant Marine Academy – Department of Engineering.
- 2002 to 2014: Lecturer in Project and Risk management, and Knowledge Management, in MSc in e-Commerce, Kingston University, in collaboration with Technological Educational Institute of Piraeus, Greece.
- 2008 to 2011: Project Management Consultant, Piraeus Port Authority, responsible for project management of IT systems integration.
- 2008 to 2009: Business Process Management Consultant, Olympic Airways, in collaboration with the Athens University of Economics and Business, responsible for business process modeling and management.
- 2003 to 2005: Business Process Management Consultant, Mutual Fund for Public Sector Clerks of Greece, in collaboration with the Athens University of Economics and Business, responsible for business process modeling and management.
- 2003 to 2013: Project Manager to a number of projects with Technological Educational Institute of Piraeus, Greece.
- 2004 to 2010: Project Manager to a number of projects with Technological Educational Institute of Ionion, Greece.

- 2000 to 2010: Project Manager to a number of projects with the National and Kapodistrian University of Athens, Greece.
- 1998 to 2003: Research coordinator for a number of projects with Technological Educational Institute of Piraeus, Greece.
- 1996 to 2000: Research Associate for a number of projects with National Technical University of Athens, Institute of Communication and Computer Systems, Department of Electrical and Computer Engineering (ICCS-NTUA), Greece.
- 1996 to 1997: Researcher in Biomedical Process Engineering, Laboratory of Biomedical Engineering, Department of Electrical and Computer Engineering, National Technical University of Athens.
- 1999 to 2000: Electrical Engineer, Software Developer, Crawford – Graham Miller (Hellas) LTD, International Loss Adjusters.
- 1998 to 1999: Electrical Engineer, Mobil Hellas
- 1996 to 1997: Research Assistant, Hospital Pitié - Salpêtrière – Paris, France.
- 1992 to 1992: Electrical Engineer, Public Enterprise of Electricity.

INDICATIVE LIST OF FUNDED RESEARCH PROJECTS

1. Establishment of a Biomedical Engineering Laboratory and an Applied Biophysics Laboratory – NTUA/ General Secretariat for Research and Technology (GSRT) / Technology Assessment Program
2. Impacts of Technology on Health in 2000 and 2020, NTUA/ General Secretariat for Research and Technology (GSRT) / Technology Assessment Program
3. Mobile Unit for Health Care via Telematics Support (AMBULANCE) – EU/TELEMATICS/HEALTHCARE
4. Sensor Aided Intelligent Wheel Chair Navigation (SENARIO) - EU/TIDE
5. General System for the Management and Image Processing (NIKA) – EU/ GSRT, Operational Program of Research and Technology
6. Development of Products and Services for the Endorsement of Biomedical Engineering (Biotech-Net II) - EU/GSRT, Operational Program of Research and Technology
7. Distributed Environmental Disaster Information and Control System (DEDICS) - Telematics Applications Program - EU/DGXIII
8. Mobile Network - Mobile robotics technology for health care services research network (MOBINET)-EU/TMR
9. Mobile Medical Data (MOMEDA), EU / TELEMATICS/ Health Care
10. Emergency 112, EU / TELEMATICS/ Health Care
11. Intranet Health Clinic (INTRACLINIC), EU / TELEMATICS/ Health Care
12. Regional Secure Healthcare Networks (RESHEN) / EU/IST (IST/2000-25354)
13. Assembling Data and Knowledge at the Point of Care to Improve Medical Decision Making and Prevent Errors (AMICA), EU / AMICA
14. Quality Healthcare Management and Well-Being through INTERLIFE Services (INTERLIFE) EU /INTERLIFE
15. Personal Electronic Health Record Services for the Mobile Citizen (pEHR), EU/.
16. Development of a Diagnostic System for the Fetal Hypoxia and the Prevention of Immediate and Distant Serious Complications that contribute to the Increase of Perinatal Mortality and Morbidity – EU/GSRT
17. A Neural Network Based System for the Early Diagnosis of Fetal Hypoxia in the 1st Stage of Childbirth for by Evaluating Biophysical Parameters, EU/GSRT, Research Support

18. Development of an Automated Diagnostic System for the Evaluation of the Quality and Quantitative Characteristics of Embryos Arising from In Vitro Fertilization, EU/GSRT, Research Support
19. Flexible Endorsement of Multiple Bibliography – EU/GSRT
20. Mapping out of Strategic Development of Cultural Heritage in Georgia – Contribution of the Greek Civilization – EU/GSRT
21. Teleducation in High Schools – EU/GSRT
22. Distance learning and career advice for people with special needs on automation and information technologies in industrial environment
23. Reengineering of Business Process Management, Mutual Fund for Public Sector Clerks of Greece
24. Business Process Re-engineering and Management of Olympic Airways, Athens University of Economics and Business (AUEB)/ Olympic Airways
25. IT Systems, Infrastructure, and Services evaluation and integration of Piraeus Port Authority.
26. A study, design, and development of educational structures for career development of people with special needs, with applications of telematics and multimedia, EU/GSRT, Research Support
27. Utilising multimedia and telematics for distance learning of people with special needs- Development of educational structures for university level studies, EU/GSRT, Research Support
28. Specialised uses and implications of ionizing radiation, implications of the low frequencies electric and magnetic fields, implications of radioelectric waves in frequencies between 3KHz-300GHz, EU/GSRT, Research Support
29. Using Optic electric sensors and wireless networks in measuring environmental parameters, energy independency of sensors, EU/GSRT, Research Support

PUBLICATIONS

THESIS

1. **PhD Thesis**
Modelling of Electromagnetic Field and Signal Digital Processing of Electric Pulses that are produced during the red blood cells passage through micropores.
2. **MSc Thesis**
A study of the functioning of a filtering system of red blood cells for the estimation of their deformability. A Clinical assessment of flow characteristics through cells passage time analyser.

BOOKS

1. Barbounaki, S. (2003). Electromechanics of Biological Fluids (in Greek). ISBN ISBN: 9789604180318.

EDITED BOOK CHAPTERS

1. Mousouraki E., Kardaras D., Stalidis G., **Barbounaki S.**, Papathanassiou E. (2019). Investigating the Social Media Potential to Attract Customers in the Banking Services Industry Using Fuzzy Delphi and Analytic Hierarchy Process, in Strategic Innovative Marketing and Tourism, Publ. Springer International Publishing, https://doi.org/10.1007/978-3-030-12453-3_66
2. Kardaras D., Karakostas B., **Barbounaki S.**, Kaperonis S. (2018). A Framework for Analyzing the Impact of Data Analytics and the Internet of Things on Digital Marketing, published in the Techno-Social Systems for Modern Economical and Governmental Infrastructures, edited book by Alexander Trousov and Sergey Maruev, Publisher: IGI Global: Information Science Reference, pp. 211-240, DOI: 10.4018/978-1-5225-5586-5.

PEER REVIEWED JOURNAL PUBLICATIONS

1. Troussas C, Krouska A, Tselenti P, Kardaras DK, and **Barbounaki S.** Enhancing Personalized Educational Content Recommendation through Cosine Similarity-Based Knowledge Graphs and Contextual Signals. *Information*, 2023, 14(9), 505, <https://doi.org/10.3390/info14090505>
2. **Barbounaki S.**, Sarantaki A., Construction and validation of a preterm birth risk assessment model using fuzzy analytic hierarchy process, *Bosnian Journal of Basic Medical Sciences*, 2021 Oct 4. DOI: 10.17305/bjbms. 2021. 6431
3. Vrachnis N., Tsonis O., Vrachnis D., Antonakopoulos N., Paltoglou G., **Barbounaki S.**, Mastorakos G., Paschopoulos M., Iliodromiti Z., The effect of Thyrotropin-releasing hormone and Antithyroid drugs on fetal thyroid function, *Children* 2021; 8(6):454, <https://doi.org/10.3390/children8060454>
4. Vivilaki V., Chronaki C., **Barbounaki S.**, Petelos E., Accelerating the digital transformation of community midwifery during the COVID-19 pandemic, *European Journal of Midwifery*, 2021;5(October):44 DOI: <https://doi.org/10.18332/ejm/142571>
5. Vrachnis N., Zygoris D., Vrachnis D., Roussos N., Loukas N., Antonakopoulos N., Paltoglou G., **Barbounaki S.**, Valsamakis G., Iliodromiti Z., Perinatal inflammation: could partial blocking of cell adhesion molecule function be a solution?, *Children* 2021;8(5):380, <https://doi.org/10.3390/children8050380>
6. Bousdekis A., **Barbounaki S.**, Karnavas I., E-learning Personalization in Midwifery and Maritime: A Machine Learning Approach for Intelligent Recommender Systems, *International Journal on Advances in Software*, 2021.
7. Bousdekis A., **Barbounaki S.**, Services Evaluation from E-tourism and Midwifery Platforms with Fuzzy and Probabilistic Data Analytics Models, *International Journal on Advances in Intelligent Systems*, 2021.
8. **Barbounaki S.**, Sarantaki A., Gourounti K., Fuzzy Logic Intelligent Systems and Methods in Midwifery and Obstetrics, *Acta Informatica Medica*, 2021 Sep;29(3):210-21 doi: 10.5455/aim.2021.29.210-21
9. **Barbounaki S.**, Gourounti K., Sarantaki A., Advances of Sentiment Analysis Applications in Obstetrics/Gynecology and Midwifery, *Materia Sociomedica* 2021 Sep;33(3):225-230 DOI: 10.5455/msm.2021.33.225-230
10. Sarantaki A., Vogiatzoglou M.E., **Barbounaki S.**, Parents' psychological adjustment after gamete donation: a systematic review, *International Journal of Advances in Medicine* 2021 Aug;8(8):1207-1212
11. Wieser MN., Daglas M., **Barbounaki S.**, Sarantaki A., Delayed umbilical cord clamping vs early cord clamping in fullterm neonates, *International Journal of Recent Scientific Research* 2021 June; 1206(B): 41993-41996 DOI: 10.24327/IJRSR
12. **Barbounaki S.**, Vivilaki V., Intelligent Systems in Obstetrics and Midwifery: Applications of Machine Learning, *European Journal of Midwifery*, 2021
13. **Barbounaki S.**, Vivilaki V., A Fuzzy Intelligent System to Assess Midwives Burnout Conditions, *European Journal of Midwifery*, 2021
14. **Barbounaki S.**, Gourounti K., Sarantaki A., Vaginal Birth After Cesarean Model using Fuzzy Analytic Hierarch Process, *Journal of Applied Research Review*
15. Sarantaki A., **Barbounaki S.**, Gourounti K., Nomikou A., Lykeridou A., Fuzzy Set Qualitative Comparative Analysis and Fuzzy Cognitive Maps to model Maternal Antenatal Attachment, Pregnancy Outcome and Depression, *Journal of Applied Research Review* (under publication)
16. **Barbounaki S.**, Vlachos A., Memetic Algorithm for Solving the Economic Load Dispatch Problem, *Journal of Applied Research Review* (ISSN 2408-0535), XIII, No 1, pp. 59-76
17. **Barbounaki S.**, A Biocybernetic Model Based on a Hybrid Fuzzy Rule Approach for

Medical Diagnosis, Journal of Applied Research Review (ISSN 2408-0535), Vol. XIII, No 1, pp. 161-178

- 18 **Barbounaki S.**, A Biocybernetic Model for Anaemia Diagnosis Based on Fuzzy Cognitive Maps, Journal of Applied Research Review (ISSN 2408-0535), 2007;XII(1):125-144
- 19 **Barbounaki S.**, Proposing a Virtual Community Based Framework for the Investigation of Learning Problems of Special Needs People, Journal of Applied Research Review (ISSN 2408-0535), Vol. XII, No 1, pp. 81-96
- 20 **Barbounaki S.**, Vazouras C., Koutsouris D., A mathematical approach of individual cell microcirculation via transition electrical phenomena, Journal of Applied Research Review (ISSN 2408-0535), Vol. VII, No1, pp. 237-244
- 21 Galaris D., Yova D., Korantzopoulos P., **Barbounaki S.**, Koutsouris D., Effects of Ascorbic Acid on Tert-Butyl Hydroperoxide induced Deformability Decrease in Human Erythrocytes, Clinical Hemorheology and Microcirculation, Vol. 15, No 1, pp. 107-120, 1995.

PEER REVIEWED INTERNATIONAL AND NATIONAL CONFERENCES PUBLICATIONS

1. Karnavas, S., Kardaras, D., **Barbounaki, S.**, Troussas, C., Tselenti, P., Kyriazis, A. Developing and Accessing Policies in Maritime Education Using Multicriteria Analysis and Fuzzy Cognitive Map Models. In: Kabassi, K., Mylonas, P., Caro, J. (eds) Novel & Intelligent Digital Systems: Proceedings of the 3rd International Conference (NiDS 2023). NiDS 2023. Lecture Notes in Networks and Systems, vol 784. Springer, Cham. https://doi.org/10.1007/978-3-031-44146-2_25.
2. Bousdekis, A., Kardaras, D., **Barbounaki, S.**, Modelling the Consistency between Customer Opinion and Online Rating with VADER Sentiment and Bayesian Networks, 10th International Conference on Data Analytics (DATA ANALYTICS), 2021, 3-7 October, Barcelona, Spain, pp. 92-97, Copyright (c) IARIA, 2021, ISBN: 978-1-61208-891-4.
3. Bousdekis A., Kardaras D., **Barbounaki S.**, Assessing the Impact of Hotel Services to the Customer Rating Using Fuzzy String Matching and Belief Networks, 7th International Conference on Human and Social Analytics (HUSO), 2021, 18-22 July, Nice, France, pp. 24-29, Copyright (c) IARIA, 2021, ISBN: 978-1-61208-884-6. https://www.iaria.org/conferences2021/awardsHUSO21/huso2021_a4.pdf
Best Paper Award
4. Bousdekis A., Kardaras DK., **Barbounaki S.**, Modelling the Role of Social Media in Hotel Selection Using Bayesian Networks, 6th International Conference on Human and Social Analytics (HUSO), 2020, 18-22 October, Porto Portugal, pp. 33-38, Copyright (c) IARIA, 2020, ISBN: 978-1-61208-800-6.
5. Bousdekis A., Kardaras DK., **Barbounaki S.**, Hotel Quality Evaluation from Online Reviews Using Fuzzy Pattern Matching and Fuzzy Cognitive Maps, 9th International Conference on Data Analytics (DATA ANALYTICS), 2020, 25-29 October, Nice, France, pp. 61-66, Copyright (c) IARIA, 2020. ISBN: 978-1-61208-816-7. https://www.iaria.org/conferences2020/filesDATAANALYTICS20/DATA_ANALYTICS_60054.pdf
6. Karnavas S., Bousdekis A., **Barbounaki S.**, Kardaras DK., An Intelligent Recommender System for E-learning Process Personalization: A Case Study in Maritime Education, 9th International Conference on Data Analytics (DATA ANALYTICS), 2020, 25-29 October, Nice, France, pp. 84-89, Copyright (c) IARIA, 2020. ISBN: 978-1-61208-816-7.
7. Kardaras D., **Barbounaki S.**, A Website Selection Model in Programmatic Advertising using Fuzzy Analytic Hierarchy Process and Similarity Methods, 8th International Conference on Data Analytics (DATA ANALYTICS), 2019, 22-26 September, Porto, Portugal, pp. 20-25, Copyright (c) IARIA, 2019. ISBN: 978-1-61208-741-2.

8. Tsiounia K., Dimitrioglou N., Kardaras D., **Barbounaki S.**, A Process Modelling and Analytic Hierarchy Process Approach to Investigate the Potential of the IoT in Health Services, published in the L. Lhotska et al. (eds.), World Congress on Medical Physics and Biomedical Engineering 2018, IFMBE Proceedings 68/1, https://doi.org/10.1007/978-981-10-9035-6_70, © Springer Nature Singapore Pte Ltd. 2019.
9. **Barbounaki S.**, Kardaras D., Dimitrioglou N., Petrounias I., Profiling Using Fuzzy Set QCA for Medical Diagnosis -The Case of Anemia, 7th International Conference on Data Analytics (DATA ANALYTICS), 2018, 18-22 November, 18-22 November, Athens, Greece, pp. 55-60, Copyright (c) IARIA, 2018. ISBN: 978-1-61208-681-1.
10. Stalidis G., Kardaras D., **Barbounaki S.**, Data-driven marketing and loyalty programs: The stance of super market customers, 6th International Conference of Contemporary Marketing Issues, 27-29 June, Athens, Greece, 2018.
11. Kardaras D., Petrounias I., **Barbounaki S.**, Kaperonis S., An Approach to Web Adaptation by Modelling User Interests Using TF-IDF: A Feature Selection and Multi-Criteria Approach Using AHP, 4th International Conference on Human and Social Analytics (HUSO), 2018, 24-28 June, Venice, Italy, pp. 60-65, Copyright (c) IARIA, 2018, ISBN: 978-1-61208-648-4
https://www.iaria.org/conferences2018/awardsHUSO18/huso_2018_a5.pdf
Best Paper Award.
12. Kardaras D., Kaperonis S., **Barbounaki S.**, Petrounias I., and Bithas K., An Approach to Modelling User Interests Using TF-IDF and Fuzzy Sets Qualitative Comparative Analysis, published in the Artificial Intelligence Applications and Innovations, Springer International Publishing AG 2018, L. Iliadis et al. (Eds.): AIAI 2018, IFIP AICT 519, pp. 606–615. © IFIP International Federation for Information Processing 2018,
https://doi.org/10.1007/978-3-319-92007-8_51, 2018.
13. Kardaras D., Karakostas B., **Barbounaki S.**, Papadopoulos A., Kaperonis S., Integrating the Balanced Scorecard and Web analytics for Strategic Digital Marketing: A multi-criteria approach using DEMATEL, 6th International Conference on Data Analytics (DATA ANALYTICS), 2017, 12-16 November, Barcelona, Spain, pp. 41-46, Copyright (c) IARIA, 2017. ISBN: 978-1-61208-603-3. **Best Paper Award.**
14. Dimitrioglou N., Kardaras D., **Barbounaki S.**, Multicriteria evaluation of the Internet of Things potential in health care: The case of dementia care, 19th IEEE Conference on Business Informatics (CBI), Thessaloniki, Greece, 24-26 July, 2017, pp. 454-462, DOI 10.1109/CBI.2017.34, ISBN 978-1-5386-3034-1, 2017.
15. Koutra G., Kardaras D., **Barbounaki S.**, Stalidis G., A Multicriteria model for Personnel selection in Maritime Industry in Greece, 19th IEEE Conference on Business Informatics (CBI), Thessaloniki, Greece, 24-26 July, 2017, pp., 287-294, DOI 10.1109/CBI.2017.34, ISBN 978-1-5386-3034-1., 2017.
16. Kikilia E., **Barbounaki S.**, The Evolution of E-Learning in Greek Universities and Technological Education Institutes - The Government Intervention, The International Conference on E-learning in the Workplace- ICELW 2001, New York, 8-10 June, 2011, pp.1-6
17. Kardaras DK., Karakostas B., Papathanassiou E., **Barbounaki S.**, Kikilia A., Fuzzy Cognitive Map based Health Service Customisation, International Mass Customisation Meeting 2008 (IMCM08), Copenhagen, Denmark, June 19-20, pp. 149-162, ISBN: 978-3-940019-03-5, 2008,
18. Kardaras DK., Papathanassiou E., **Barbounaki S.**, Karakostas B., Kikilia, A., An Exploratory Study of the Virtual Communities Contribution to Special Needs Pupils E-Learning in Greece: The Teachers Perspective, IADIS International Conference Web Based Communities Amsterdam, The Netherlands, June 24-26, pp. 247-250, ISBN: 978-972-8924-65-2, 2008

- 19 Kikilia A., **Barbounaki S.**, Agritellis I., Tseles D., Challenges for the Tourism Department of the TEI of Piraeus in Spetses, International Scientific Conference SynEnergy Forum, 28-31 May 2008
- 20 Kikilia A., **Barbounaki S.**, Agritellis I., Tseles D. Fuzzy Modeling for Adopting Tourism Services to Customer Needs, International Scientific Conference SynEnergy Forum, 28-31 May 2008
- 21 Kikilia A., **Barbounaki S.**, Kikilias P., An Exploratory Model for Tourism Quality Services in Greece, 20th National Conference of Hellenic Society of Operations Research, **Operations Research and Tourism Development**, 19-21 June 2008
- 22 Kardaras D. K, **Barbounaki S.**, Karampotsios C. Kikilia A., VC in Support of Learning: The Views of Pupils with Special Needs, IADIS International Conference Web Based Communities Salamanca, Spain February 18-20, pp. 164-171, ISBN: 978-972-8924-31-7, 2007
- 23 **Barbounaki S.**, Effective use of multimedia and telematics for the distance education of people with special needs - Development of standard structures for higher education, Conference "Archimedes II - TEI PIRAEUS", Athens, November 29, 2007.
- 24 **Barbounaki S.**, Education of people with special needs with respect to their career guidance - rehabilitation with application of telematics and multimedia, Conference "The concept of telework in the professional integration of people with disabilities: Experiences - Perspectives", Athens, September 8, 2001.
- 25 **Barbounaki S.**, Telematics - Analysis of Career Guidance Structures – Problems, Perspectives, Conference "The concept of teleworking in professional integration of people with special needs: Experiences - Perspectives", Metropolitan - Athens, September 8, 2001.
- 26 **Barbounaki S.**, Vazouras C., Boynard M., Koutsouris D., Determination of Erythrocyte Deformability via Digital Analysis of Electrical Pulses Produced by an Advanced Version of Cell Transit Analyzer (CTA), European Congress of Clinical Hemorheology, Lisbon, Πορτογαλία, June 29-July 2, 1997
- 27 **Barbounaki S.**, Vazouras C., Kehli A., Guillet R., Boynard M., Koutsouris D., Digital Processing of Produced Electrical Pulses by Cell Flow through Micropores, World Congress on Medical Engineering and Biological Engineering and Computing, Magnificent Milestones and Emerging Opportunities in Medical Engineering, XI International Conference on Medical Physics, September 14-19, 1997, Nice, Γαλλία.
- 28 **Barbounaki S.**, Vazouras C., Kehli A., Boynard M., Koutsouris D., Transition Electrical phenomena in measurements of Cell Flow through Micropores, World Congress on Medical Engineering and Biological Engineering and Computing Magnificent Milestones and Emerging Opportunities in Medical Engineering, XVIII International Conference on Medical and Biological Engineering, XI International Conference on Medical Physics, September 14-19, 1997, Nice, Γαλλία.
- 29 Kehli A., Sennaoui A., **Barbounaki S.**, Boynard M., Red Blood Cell Classification using a Back Propagation Neural Network, World Congress on Medical Engineering and Biological Engineering and Computing Magnificent Milestones and Emerging Opportunities in Medical Engineering, XVIII International Conference on Medical and Biological Engineering, XI International Conference on Medical Physics, September 14-19, 1997, Nice, Γαλλία.
- 30 **Barbounaki S.**, Vazouras C., Kehli A., Boynard M., Koutsouris D., Transition Phenomena Affecting the Shape of Pulses Observed during Individual Cell Flow through Micropores, 19th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Oct. 30 - Nov. 2, 1997, Chicago IL USA, ΗΠΑ.
- 31 **Barbounaki S.**, Vazouras C., Guillet R., Kehli A., Boynard M., Koutsouris D., Theoretical Analysis of the Transient Electrical Phenomena During Passage Through Micropores of

Red Blood Cells Placed in an Electric Field, 9th International Congress of Biorheology, 2nd International Conference on Clinical Hemorheology, Big Sky, Montana, USA, 23-28 July 1995

RESEARCH AWARDS

1. **Best Paper Award**
Bousdekis, A., Kardaras, D., & Barbounaki, S. (2021). Assessing the Impact of Hotel Services to the Customer Rating Using Fuzzy String Matching and Belief Networks, published in *the 7th International Conference on Human and Social Analytics (HUSO)*, pp.24-29, ISBN: 978-1-61208-884-6.
2. **Best Paper Award**
Kardaras, D., Petrounias I., Barbounaki, S. and Kaperonis S. (2018). An Approach to Web Adaptation by Modelling User Interests Using TF-IDF: A Feature Selection and Multi-Criteria Approach Using AHP, published in the proceedings of the *HUSO 2018: The 4th International Conference on Human and Social Analytics*, Copyright (c) IARIA, 2018, ISBN: 978-1-61208-648-4.
3. **Best Paper Award**
Kardaras D., Karakostas B., Barbounaki S., Papadopoulos A., and Kaperonis S. (2017). Integrating the Balanced Scorecard and Web analytics for Strategic Digital Marketing: A multi-criteria approach using DEMATEL, published in the 6th International Conference on Data Analytics-DATA ANALYTICS 2017, 12-16 November 2017, Barcelona, Spain, pp. 41-46, Copyright (c) IARIA, 2017. ISBN: 978-1-61208-603-3.

PEER REVIEWER

1. International Journal of Environmental Research and Public Health
2. Children, International Journal
3. Nutrients, International Journal
4. Journal of Personalized Medicine

KEYNOTE SPEAKER

1. **Barbounaki S.**, A fuzzy Logic – based Approach to Producing Health Care Services Recommendations, The Seventh International Conference on Human and Social Analytics HUSO 2021, 18-22 July 22, 2021, Nice, France.
<https://www.iaria.org/conferences2021/ProgramHUSO21.html>
2. **Barbounaki S.**, Guest Speaker (2015) to the research group of Associate Professor Islam Choudhury, at Kingston University, UK. Title of speech: “Intelligent Approaches to Information Systems Development”

SCHOLARSHIPS

- Hellenic State Scholarship Foundation for postgraduate studies in the area of Intelligent Biomedical Engineering
- Scholarship from Scientific Department of French Embassy for postgraduate studies in the area of Applied Electrosience

PROFESSIONAL MEMBERSHIPS

- Technical Chamber of Greece
- Hellenic Union of Electrical Engineers
- Hellenic Society of Biomedical Technology

PROGRAMMING AND SOFTWARE PACKAGES SKILLS

Programming Languages: C, C++,

IT-specific skills: Business Analytics/Intelligence, Big Data, Cognitive Maps, Fuzzy Logic, Clustering, Machine Learning, Data/Text Mining, SPSS, Matlab, Clementine, KNIME, Weka, Orange, Rapidminer, Expert choice, fuzzyTECH, Fuzzy Lite, ClustVis, WorkFlow-BPR software for Business Process Modeling and Simulation, Project Management

LANGUAGES

Greek, English, French