# CURRICULUM VITAE

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Over three decades of his career in academia, he has investigated many different fields beginning with **Operations Research (OR).** Many of the papers he published at that time were on traffic when he was a Research Assistant at Royal Holloway College, University of London.

In his first teaching position at Reading University, he taught **statistics** which gradually led to his disillusionment with the ability of this discipline to capture the "messiness" or complexity of real world problems. This realisation led him first to **Fuzzy Sets and Systems** and then to **Systems Thinking** and **Soft Systems,** thereby acknowledging the emergence of the need to accept and to engage with the notion of interdisciplinarity in dealing with human centred systems. The power of these epistemological tools remained with him and he brought them to bear on issues to do with decision aiding and, in general, problem understanding and formulation in many different areas. Making use of the rapid advances in computing power, **Simulation** tools were also part of his research interests that led to innovations in designs for application in human activity systems, and always accepting and accommodating complexity.

In one of his first research programmes funded by the EU, (1989) he became aware of the then fairly new field of **Human Computer Interaction**. This accorded well with his interests and he went on to further research and teach in this area (at the University of Athens, 1996-7; at Athens University of Economics, (1998-2001) as well at Abo Akademi University of Turku, Finland, 1997- where he was made docent-). The field, mainly populated by those with backgrounds in Computer Science or Psychology, was focusing on human centred systems that were dependent upon computers, using the tools from the relevant disciplines. However, it was, and still remains, a field open to multi- and inter- and even trans- disciplinarity.

His present research interests include **Systems Thinking in Design** as well as the emerging area of **Service Design**.

Alongside these evolving research interests, he committed himself wholeheartedly to supporting the University of the Aegean, firstly as a founding member of the Department of Mathematics, (1987) and later of the Department of Information and Communication Systems (1994) (where he also served as first Head of Department) and finally, conceiving a School of Design and establishing the Department of Product and Systems Design Engineering in 2000. This being the first Greek state funded University design department, the model followed was that of a multidisciplinary school, where students would acquire a predominantly theoretical grounding so that they would be able to apply their knowledge and skills to a wide variety of environments where design is called for. The curriculum ranges from 'hard' science courses to 'soft' art and design, but behind it all lies the philosophy of systems thinking, that the whole (holon) is greater than the sum of the parts. This way of thinking brings a great difference to the activity of Design.

## EDUCATION

**Undergraduate studies**
1975   BSc in Mathematics, University of Athens 1975.

**Postgraduate studies**
1977   MSc in Operational Research, University of Sussex, U.K.
1981    PhD in Operational Research, University of London, U.K.

## WORK EXPERIENCE - ACADEMIC POSITIONS

| | |
|---|---|
| **University of the Aegean** **2000 – present** | **Professor, Head of Dept.,** Dept of Product and Systems Design Engineering, Founding member, **Director of the Postgraduate courses** |
| **University of the Aegean** 1998 – 1999 | **Professor, Head of Dept.,** Dept of Information and Communication Systems, Founding member |
| **University of the Aegean** 1994 – 2000 | **Professor,** Dept. of Mathematics, Founding member **Director** of the Research Laboratory of Samos |
| **Abo Akademi University, Turku Finland** 1997 – | **Visiting Professor (Docent).** Institute of Advanced Management Systems Research |
| **University of Athens** 1998 – 2001 | **Visiting Professor,** Dept. of Economic Sciences |
| **Athens University of Economics** 1996 – 1997 | **Visiting Professor**, Dept. of Informatics and Business |
| **University of the Aegean** 1989 – 1994 | **Associate Professor**, Dept. of Mathematics **Director** of the Research Laboratory of Samos |
| **University of Thessaly** 1989 – 1990 | Visiting **Associate Professor** Department of Planning and Regional Development |
| **University of the Aegean** 1987 – 1989 | **Associate Professor**, Depts. of Business Administration and of Mathematics |
| **University of the South Bank** 1984 – 1987 | **Senior Lecturer / Principal Lecturer**, Dept. of Mathematical Sciences and Computing |
| **University of Reading** 1982 – 1984 | **Lecturer**, Dept. of Applied Statistics. |
| **University of London** 1979 – 1982 | **Research Assistant**, Dept. of Mathematics, Royal Holloway College. |

**ACADEMIC ACTIVITIES**

**Memberships and Affiliations**

At various times in my career, depending on the changes of focus of my work, I have been a member of a number of professional societies relevant to my research interests at the time. including the IEEE; the British Operational Research Society: Fellow of the Statistical Society; the Greek O.R. Society; the Greek Computer Society; Greek Society for Artificial Intelligence; European Working Group on Decision Support Systems (EURO EWG6), etc. and was Greek national representative to IFIP TC-13 (HCI),

**Editorial Boards**

On the **editorial board** of the Journal of Decision Systems, the on-line Journal of Universal Computer Science (JUCS), the Journal of Applied Systems Studies (JASS), the Operational Research an International Journal (ORIJ), eMinds, etc.

**Reviewer** for a number of journals including the Journal of Fuzzy Sets and Systems, Journal of the Operational Research Society, Computers and Operational Research, etc.

**International research collaborations**

Recent and ongoing collaborations with Universities and Research institutes include: University of Napoli, Italy; Open University , UK; Loughborough University, U.K.; University of Valencia, Spain; University of the Basque Country, Spain; Waterford Institute of Technology, Ireland;, Abo Akademi, Finland; Fraunhofer Institute for Applied Information Technology, St Augustin,Germany, BTExact, UK, Katholic University of Louvain, Belgium, Drexel University, USA; TSSG, Waterford Institute of Technology, Ireland; Trinity College, Dublin, Ireland, etc.

**RESEARCH INTERESTS**

They are wide ranging and include:
Systems Thinking in Design, Service Design, Human Computer Interaction (HCI), Interaction Design, Decision Support Systems, Systems Thinking, Fuzzy Sets and Reasoning with Uncertainty, Simulation, Design of Information Systems, Design for All, Design Theory, Design Methods and Methodologies.

**ACADEMIC – CONFERENCE AND OTHER ACTIVITIES**

He has been the Chair of a number of Conferences and Workshops, such as the 12th National Conference of Operational Research, 6th Workshop of  EURO Working Group on Decision Support Systems, Samos Workshop on Task Based Explanation, Aegean Seminar, 5th Hellenic Conference on Artificial Intelligence, etc.

Also he has been a member of scientific Committees of a large number of Conferences and workshops.

He has supervised a large number of PhD Theses on themes and issues which range **from** Traffic/Simulation, Computer Security, Decision Support Systems, Middleware, Human Computer Interaction, Cross Media Technologies, **to** Interaction Design, Web Design, Accessibility, Design of Interactive Autonomous Systems, Cognitive Models, Ambient Intelligence, Aesthetics in Design, Soft Systems, etc.

## RESEARCH PROJECTS

Project manager and site leader in many European-wide EU funded projects, as well as nationally funded projects:

### EU funded

1. Research funded by the Transport and Road Research Laboratory, Department of the Environment, UK on the Simulation of Traffic and Driver Behaviour, Sept. 79 - Sept. 82.
2. User Requirements Analysis of High Technology in Education, Jan. 89 - Aug. 89, part of the STARTUP - COMNET project (COMNET project 7030) funded by **DELTA**.
3. Interactive Dialogues for Explanation and Learning, (IDEAL Basic Research Action, 3160) Oct. 89-Sept. 92, funded by **ESPRIT**.
4. Rural Area Delivery of Information and Organisation, (RADIO, Project no 02001), subcontractors to INTRASOFT, funded by **ORA**.
5. Network Security Protection SECURENET (RACE R2057) Sept. 91 - Sept. 92 funded by **RACE**.
6. Assaying Means of Design Expressions for Users and Systems (AMODEUS 2), (Basic Research Action 7040) July 92 - July 95 funded by **ESPRIT**.
7. An Intelligent System for Preventing and Detecting Attacks in Open Networks (SECURENET II, RACE), Jan. 94 - Jan 96., funded by **RACE**.
8. Integration of High Performance Services for Interactive Vocational Training (RENAISSANCE), funded by **ACTS**, Oct. 1995 - Feb. 1998.
9. Industrial Prototype for an Intelligent Intrusion Prevention and Detection System for Open Networks (SECURENET), funded by **VALUE**, Jan. 1996 - July 1996.
10. Generic Architecture for Information Availability (GAIA) funded by **ACTS**, July 1996- Dec. 1998
11. Getting Education Systems Talking across Leading-Edge Technologies (GESTALT), funded by **ACTS**, Sept.98 – Aug. 2000.
12. Learning Centre Manager Qualification (LeCMaQ), funded by **LEONARDO,** , Jan. 99–2000
13. Gateway for User Access to Remote Distributed Information and Network Services (GUARDIANS), funded by **IST**, July 2000 – July 2002.
14. Incorporating Requirements of People with Special Needs (IRIS), funded by **IST**, Jan 2001 – June 2003.

15. Inclusive Design Curriculum Network (IDCnet), Thematic Network **IST**-2001-38786, August 2002 – June 2003.
16. Benchmarking Tools for The Web (BenToWeb) funded by **IST** Sept. 2004 – Aug. 2007.
17. e Accessibility Network (eAccess+) funded by **ICTPSP** FP7, Sept 2010-August 2013
18. MOOCAP Erasmus+, (Mooc on Accessibility Partnership), (Sept 2014-August 2017).

**Industry led Projects with EU funding  (a selection of)**
1. F-JEWEL, Functional Jewellery That Adds Aesthetics And Durability To Quality-Of-Life Enhancing Medical Appliances. Eureka EU. 2006
2. RIGHTFIT, Making Garments That Fit Consumers' Needs And Wants. Eureka EU. 2005
3. EQUAL NEΩPION II – Promoting the competitiveness and the safeguarding of labour force of shipyards. Partially funded by the European Union 2002-2004

**Nationally funded: (Britain or Greece) (a selection of)**
1. Project funded by the Greek Ministry of the Aegean, for Development of Simulation Models and Applications of Decision Support Systems in Commercial Shipping.  Oct. 87 - 90.
2. Project funded by the National Organisation of Medicine, on development and applications of information systems and diagnostic expert systems, in Primary Health Care in Aegean Island Regions. Sept. 89 - Sept. 91.
3. Project funded by the Greek Ministry of Industry, Research and Technology, for the development of Task Based Intelligent Tutoring Systems for use in Higher Education Establishments, Jan 91 - Jan. 92, in collaboration with G.I.S. Ltd.
4. Tele-administration in the eastern Macedonia, Thrace, and Northern Aegean Islands, funded by the Ministry of Research and Technology (**ЕПЕТ II)**, Dec. 1995 - June 1998.
5. Use of Telematics in the Development of the less favoured Aegean Islands, funded by the Research Unit of the University of the Aegean, 1996.
6. Conceptual Model Design of Information Systems for the Archives of the National Mortgage Bank, funded by Technognosi Ltd, Jan. 95 – Dec 96.
7. AEGEAN-NET, Aegean Archipelago Multimedia Integrated Network, funded by the Ministry of Education and EU **(EPEAEK)**, Nov. 96 – Dec.99.
8. Networks of Experts / Ikaros. Safety Reliability and Quality in Information and Telecommunication Technologies (1996-). Project Funded By the General Secretary of Research and Technology.
9. Establishment and Operation of the Department of Information and Communication Systems at the University of the Aegean **(EPEAEK)**, (1997-).
10. ODYSSEAS, Design and Implementation of Secondary Education Integrated Network Support in the Aegean Archipelago, (based on the Aegean-net), funded by the Ministry of Education and EU **(EPEAEK)**, Jan. 98 – Dec. 99
11. Interlinkage of Undergraduate and Postgraduate Studies in the Area of Information Systems, funded by the Ministry of Education and EU **(EPEAEK)**, Aug.98 – Dec 99.

12. Study of Possible Exploitations of the Property and Infrustructure of the University of the Aegean, funded by the Ministry of Education and EU **(EPEAEK)**, Aug.98 – Dec 99.
13. Support Services for the Implementation and Function of the Network of the Aegean Archipelago  (ASKOI TOU AIOLOU), funded by the Operational Programme of Education and Initial Training, (June 1998 – Dec 2000).
14. Establishment and Operation of the Department of Product and Systems Design at the University of the Aegean, **(EPEAEK)**, (1998).
15. Design and Development of the Panhellenic schools network (EDU-Net), funded by the Operational Programme of Education and Initial Training (1999).
16. Analysis and study of Network Services of Secondary Education, (EDUnet), funded by the Operational Programme of Education and Initial Training (1999).

Also involved in other projects funded by EU programmes such as AIM, INFOSEC, CEN, VALUE, LIBRARY, as well as in ERASMUS programmes, and a number of Greek projects, networks of excellence on Information Systems Security and EDI.


## DEVELOPMENT OF NEW COURSES, UNDERGRADUATE AND POSTGRADUATE, AND NEW DEPARTMENTS

1. University of the Southbank 1986: MSc in Knowledge Based Systems
2. University of the Aegean 1987: Founding member of Mathematics Dept, Samos
3. University of the Aegean 1994: Founding member of Information and Communications Dept, Samos
4. University of the Aegean, 1999-Founder of Dept of Product and Systems Design Engineering
5. University of the Aegean, Dept of Product and Systems Design Engineering
     a. 2003 MSc in Design of Interactive and Industrial Products and Systems
     b. 2007 MSc in Holistic Therapeutic Systems- Classical Homeopathy
6. Cyprus University of Technology, 2006-today member of the Advisory Committee for Department of Multimedia and Graphic Arts. Also involved in the Curriculum Development of that Department.


## CITATIONS
 Over 800 citations have been counted, many of which pertain to publications from 1980's & 90's that are being referred and used by scholars post 2007.


## PUBLICATIONS

### Journal Publications

1. DARZENTAS, J. MCDOWELL, M.R.C., COOPER, D.F. (1980) Minimum Acceptable Gaps and Conflict Involvement in a Simple Crossing Manoeuvre. Traffic Engineering and Control, 21, (2), pp.58-61.

2. DARZENTAS, J., HOLMS, V., McDOWELL, M.R.C. (1980) Driver Behaviour at a T-Junction in Daylight and Darkness. Traffic Engineering and Control, 21, (4), pp. 186-189.

3. DARZENTAS, J., COOPER, D.F., STORR, P.A., McDOWELL, M.R.C. (1980) Simulation of Road Traffic Conflicts at T-Junctions. Simulation, 34, (5), pp. 155-164,.

4. OVUWORIE, G.C., DARZENTAS, J., McDOWELL, M.R.C. (1980) Free Movers Followers and Others: a Reconsideration of Headway Distributions. Traffic Engineering and Control, 21, (8 & 9), pp. 425-428.

5. DARZENTAS, J., McDOWELL, M.R.C. (1981) Driver Behaviour at unlit Non-Urban T- Junctions in Daylight and Darkness. Journal of Operational Research Society, 32, pp. 721-727.

6. CHRISSIKOPOULOS, V., DARZENTAS, J., McDOWELL, M.R.C. (1982) Aspects of Headway distributions and Platooning on Major Roads. Traffic Engineering and Control, 23, (5), pp. 268-271.

7. McDOWELL, M.R.C. WENNELL, J. STORR, P.A. DARZENTAS, J. (1983) Gap Acceptance and Traffic Conflict Simulation as a Measure of Risk. TRRL SR 776, Transport and Road Research Laboratory, Crowthorne, Berkshire, England, 1983.

8. CHRISSIKOPOULOS, V., DARZENTAS, J., McDOWELL, M.R.C. (1983) Deceleration of Major Road Vehicles Approaching a T-Junction. Traffic Engng. and Control, 24, (9), pp. 433-436.

9. DARZENTAS, J., BAIRAKTARIS, P. (1986) On the Set Partitioning Type Formulation for the Discrete Location Problem. Computers and Operations Research, 13, pp. 671-679.

10. J. DARZENTAS, (1987) A Discrete Location Model With Fuzzy Accessibility Measures. Fuzzy Sets and Systems, 23, pp. 149-154.

11. PAPOULIAS, D. B., DARZENTAS, J. (1990) OR in Greece: Myth and Reality. European Journal of Operational Research, 49, pp. 289 - 294.

12. DARZENTAS, J., SPYROU, T.(1993) Information Systems for Primary Health Care: the Case of the Aegean Islands, European Journal of Information Systems, Vol. 2, No. 2, pp.177 - 127.

13. DARZENTAS, J. (1993) Knowledge Systems for Island Problems: Using Systems Thinking and Knowledge Formalisms for Eliciting and Representing Task Knowledge. in Systems Practice, Vol. 6, No. 5, pp. 541 - 548.

14. DARZENTAS, J., DARZENTAS, J.S., SPYROU, T. (1995) DDAS: a Designers' Decision Aiding System. Journal of Decision Systems, Vol 4, no 1, pp. 9 - 22.

15. DARZENTAS, J., SPYROU, T. (1996) Ferry Traffic in the Aegean Islands: A Simulation Study, Journal of Operational Research Society. Vol.47, no. 2 pp. 203-212.

16. KATSIKAS, S., SPYROU, T., GRITZALIS, D., DARZENTAS, J. (1996) A Model for Network Behaviour under Viral Attack, Computers and Communications Journal, Vol. 19, pp124-132.

17. DARZENTAS, J., DARZENTAS, J.S., SPYROU, T. (1997) Choosing Appropriate Tools by Means of Intelligent Decision Support. Journal of Decision Systems, Vol. 6, pp 45 - 62.

18. DARZENTAS, J. TSAGARIS, CH. (2000)Application of a Modified OWA Operator to a Designer Decision Support System (DDAS), International Journal of General Systems, Vol. 29,no.1, pp. 103-121 *(This is a revised version the paper that appeared in the Proceedings of the 3rd International FLINS Workshop, Sept. 1998).*

19. KONSTANTOPOULOS, M., DARZENTAS, J.S., KOUTSABASIS, P., SPYROU, T., DARZENTAS, J. (2001) Towards Integration of Learning Objects Metadata and Learner Profiles Design: Lessons from GESTALT. Journal of Interactive Learning Environments. Vol. 1, pp.1-24.

20. KONSTANTOPOULOS, M., SPYROU, T., DARZENTAS, J. (2001) The Need for Academic Middleware to Support Advanced Learning Services. Computer Networks Journal. Vol. 37/6, 2001, pp.771-779.

21. KONSTANTOPOULOS, M., SPYROU, T., KOUTSABASIS, P., DARZENTAS, J.S., LAMBRINOUDAKIS, C., DARZENTAS, J. (2001) The Role of Directory Services in Online Education Delivery: The Gestalt Example. Journal of Continuing Engineering Education and Lifelong Learning (IJCEELLL). Vol.11, no 1 / 2, 5-24.

22. LAMBRINOUDAKIS, C., MAISTROS, G., BOFILIOS, D. AND DARZENTAS, J. (2003), An architecture for an intelligent support system for design validation and manufacturing of aerospace components. International Transactions in Operational Research, 10:351–363.

23. KARACAPILIDIS, N., VOUROS, G. AND DARZENTAS, J. (2003), Applying intelligent agents technology in a collaborative work environment. International Transactions in Operational Research, 10:13–31.

24. ARNELLOS, A., LEKKAS, D., SPYROU, T., DARZENTAS, J. (2005). A Framework for the Analysis of the Reliability of Digital Signatures for Secure E-commerce, *The electronic Journal for e-commerce Tools & Applications (eJETA)*, Vol.1, No.4.

25. ARNELLOS, A., SPYROU, T., DARZENTAS, J (2006). Exploring Creativity in the Design Process: A Systems-semiotic Perspective, *Cybernetics and Human Knowing*, vol.14, no 1. 37-64.

26. ARNELLOS, A., VOSINAKIS, S., SPYROU, T., DARZENTAS, J. (2006) The Emergence of Autonomous Representations in Artificial Agents, *Journal of Computers,* (JCP) Vol.1 Issue:6, , 29-36.

27. ARNELLOS, A., SPYROU, T., DARZENTAS. J. (2006). Dynamic Interactions in Artificial Environments: Causal and Non-Causal Aspects for the Emergence of Meaning, *Journal of Systemics, Cybernetics and Informatics*, Vol.3, No.1.

28. ARNELLOS, A., SPYROU, T., DARZENTAS, J. (2007) Cybernetic Embodiment and the Role of Autonomy in the Design Process, *Kybernetes,* Vol. 36 No. 9/10, pp. 1207 – 1224

29. MAVROMMATI, I., DARZENTAS,J. (2007) End User Development in AmI: a user centered design overview of issues and concepts, *eMinds* vol 1, no.3 available at http://www.eminds.uniovi.es/

30. ARNELLOS, A., SPYROU, T., DARZENTAS, J. (2008). Emergence and Downward Causation in Contemporary Artificial Agents: Implications for their Autonomy and Some Design Guidelines, *Cybernetics and Human Knowing* Vol. 15, No 3-4, pp. 15-41.

31. VOSINAKIS, S. KOUTSABASIS, P. STAVRAKIS, M, VIORRES, N. DARZENTAS, J. (2008) Virtual Environments for Collaborative Design: Requirements and Guidelines from a Social Action Perspective *CoDesign: International Journal of CoCreation in Design and the Arts*, Taylor and Francis, Vol. 4 No. 3, pp. 133-150

32. ARNELLOS, A., SPYROU, T., DARZENTAS, J. (2008). Meaning needs functional emergence: Shedding novel light into difficult problems, *Cybernetics and Human Knowing*, Vol. 15, No 3-4, pp. 50-56.

33. KOUTSABASIS, P., STAVRAKIS, M., VIORRES, N., DARZENTAS, J.S., SPYROU, T. AND DARZENTAS, J. (2008) A Descriptive Reference Framework for Personalisation of E-business *Electronic Commerce Research*, Vol. 8 , No. 3, pp. 173-192.

34. DARZENTAS, J.S., DARZENTAS, J. (2008) Design for All: Socially Responsible Design or just good sense?-The role of education and research in getting the message across. *The Ethicomp Journal,* Vol 3, no 2, available at http://www.ccsr.cse.dmu.ac.uk/journal/

35. KOUTSABASIS, P. AND DARZENTAS, J. (2009) Methodologies for Agent Systems Development: Underlying Assumptions and Implications for Design *AI & Society*, Vol. 23, No 3, pp. 379-407

36. ARNELLOS, A., SPYROU, T., DARZENTAS, J. (2010)Towards the Naturalization of Agency based on an Interactivist Account of Autonomy, *New Ideas in Psychology*, vol. 28, no. 3, pp. 296-311

37. KOUTSABASIS, P. STAVRAKIS, M. SPYROU, T. DARZENTAS, J. (2011) Perceived impact of asynchronous e-learning after long-term use: implications for design

and development *International Journal of Human-Computer Interaction*, Taylor & Francis. Vol. 27, No. 2, pp 191-203

38. ARNELLOS, A., LEKKAS, D.,ZISSIS, D.,SPYROU, T., DARZENTAS, J. (2011) Fair Digital Signing: The Structural Reliability of Signed Documents*. Computers and Security*, Vol. 30, pp. 580-596

39. XENAKIS, I. ARNELLOS, A. SPYROU, T. DARZENTAS, J. (2012). Modelling Aesthetic judgment: An Interactive Semiotic Perspective. *Cybernetics and Human Knowing,* Vol. 19, No 3, pp.25-51.

40. XENAKIS, I. ARNELLOS, A., DARZENTAS, J (2012)  The Functional Role of Emotions in Aesthetic Judgement, *New Ideas in Psychology*. Vol. 30, No 2, pp. 212-226.

41. MAVROMMATI, I, BIRBILIS, G, DARZENTAS, J (2013). A Conceptual Framework for the Design of IoT Architectures that Support End-User Development, *Networking Science*. Vol. 3, issue 1-4, pp71-81.

42. DARZENTAS, J. & <u>DARZENTAS, J.S</u>. (2014) On the Role of Systems Thinking in Design and its Application to Public Self-Services, "FORMAkademisk". Special Issue on Relating Systems Thinking and Design II, Journal FORMAkademisk 7 (4)


## Chapters in Books


1. McDOWELL, M.R.C., DARZENTAS, J., WENNELL, J. (1981) Driver Gap Acceptance as a Measure of Risk. In: *Road Safety Research and Practice*, by H.C. Foot, A.J. Chapman, F.M. Wade (Eds), Praeger, pp. 27-34, 1981.

2. DARZENTAS, J. (1987)On Fuzzy Location Models. In: *Optimization Models Using Fuzzy Sets and Possibility Theory*, by J. Kacprzyk, S.A. Orlovski (Eds), pp.328 - 341, Reidel 1987.

3. DARZENTAS, J. (1987) Knowledge Modelling in Fuzzy Expert Systems. In: *Uncertainty in Knowledge Based Systems*, by R. Yager, B. Bouchon, pp. 159 - 178 Springer Verlag, 1987.

4. DARZENTAS, J. (1989) Modelling Fuzzy Knowledge for Soft OR. In: *Interfaces between Artificial Intelligence and Operations Research in Fuzzy Environment*, by J. L. Verdegay, and M. Delgado, pp. 117 - 126, Verlag TUV Rheinland, 1989.

5. DARZENTAS, J. (1992)Artificial Intelligence and Systems for Knowledge Systems in Island Societies, In: *International Systems Science Handbook*, R. R. Delgado, B. H. Banathy, I. Tsivacou, (eds) Aegean Seminar Edition, 1992.

6. DARZENTAS, J., DARZENTAS, J.S., SPYROU, T. (1995) An Architecture for Designer Decision Aiding - DDAS.  In: *DSS - Galore*, M. Brannback, T. Leino (Eds), Abo Akademi, Turku, (1995), pp. 115 - 132.

7.  SPYROU, T. DARZENTAS, J. (1995)Artificial Intelligence in Information Systems Security, In: *Information Security*, E. Kiountouzis, N. Alexandris (Eds.), pp.135 - 154, 1995.

8.  J. DARZENTAS, J.S. DARZENTAS, T. SPYROU  (1996)Helping the User to Make Use of the Tools: Transferring Research Results from the Laboratory to the Market by means of Intelligent Decision Support. In Varghese and Pleger, (Eds) *Human Comfort and Security of Information Systems*.  Springer Verlag, 1996.

9.  J.DARZENTAS, J.S. DARZENTAS, (2000) Greece: Office Work with VDUs  In M. Rauterberg, Krueger, H. (eds) *The EU Directive 90/270 on VDU-Work: IPO Report* Eindhoven The Netherlands, 2000.

10. MAVROMATI, E. DARZENTAS, J. (2003) Editorial of Special Session, Design Education in the Time of the Disappearing Computer, in Kameas, A. and Streitz, N. Tales of the Disappearing Computer, Ekdosis Ellinika Grammata,

11. BRANDS, M., ARNELLOS, A., SPYROU, T., DARZENTAS, J. (2007). A Biosemiotic Analysis of Serotonin's Complex Functionality, in Guenther Witzany (ed.) *'Biosemiotics in Transdisciplinary Contexts* pp. 125-132, Umweb, Helsinki

12. ARNELLOS, A., SPYROU, T., DARZENTAS, J. (2008). Naturalising the Design Process: Autonomy and Interaction as the Core Features, forthcoming in *'Beyond Description: Normativity in Naturalised Philosophy'*, (Eds.) Marcin Milkowski and Konrad Talmont-Kaminski, College Publications


**Edited books**


1.  DARZENTAS, J., DARZENTAS, J.S., SPYROU T. (Eds), *Perspectives on DSS*. University of the Aegean Press, 1996.

2.  DARZENTAS, J., VOUROS, G.A. VOSINAKIS, S. ARNELLOS A. (Eds.) Artificial Intelligence: Theories, Models and Applications. Proceedings of the 5th Hellenic Conference on AI, (SETN) Lecture Notes in Computer Science 5138 Springer 2008


**Conference Publications**

1.  DARZENTAS, J. (1983) Gap Acceptance: Myth and Reality.  In: Proceedings of the Eighth International Symposium on Transportation and Traffic Flow Theory, by V.F. Hurdle, E. Hauer, G.N. Steuart (Eds), University of Toronto Press, pp. 175-192.

2.  DARZENTAS, J. (1986) On the Use of Fuzzy Expert Systems in Office Automation. Proc. of the 7th National Conference of the Greek Operational Research Society, pp. 423 - 432.

3.  DARZENTAS, J. (1987) The Role of Information Technology in Quantitative Methods.  Proc. of the 1st Symposium on Quantitative Methods, J. Karkazis (ed), pp.61 - 71.

4.  DARZENTAS, J., LOUKOPOULOS, N., DARZENTAS, J.S., SPYROU, T. (1991) Task Knowledge Structures in Designing Intelligent Tutoring Systems Architecture. Proceedings of the Third National Conference of the Greek Computer Society, Vol.1, pp. 435 - 448.

5.  DARZENTAS, J., SPYROU, T. (1991) The Application of Soft Systems Methodology in the Design and Development of Information Systems for Primary Health Care. The Case of Island Ecosystems. Proceedings of the Third National Conference of the Greek Computer Society, vol. 2, pp. 128 - 141.

6.  DARZENTAS, J. (1992) Fuzzy Reasoning in Task Based Explanation: Explanations for Decisions.  Proc. of the International Workshop on Task Based Explanation, J. Darzentas, A. G. Sutcliffe, P. Johnson, G. Ferrari, (eds), June -,  pp. 27-32

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