

# Αντώνιος Καραγεώργος



Ημ. Γέννησης: 10-Σεπτεμβρίου-1968

Φύλλο: Άρρεν

Υπηκοότητα: Ελληνική  
Θέση: Καθηγητής Εφαρμογών, Τμήμα  
Εργασίας: Δασοπονίας και Διαχείρισης  
Φυσικού Περιβάλλοντος, ΤΕΙ  
Λάρισας – Παράρτημα Καρδίτσας

Τόπος: Τρίκαλα  
Γέννησης: Θεσσαλίας  
Οικ. κατάσταση: Έγγαμος  
Αρ. παιδιών: 3

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## 1. ΣΠΟΥΔΕΣ

- 2003: **Διδακτορικό** στην περιοχή **Agent-based Systems Engineering**. Dept. of Computation, UMIST, Manchester, UK. Τίτλος διατριβής: “*Using Synthesis and Role Modelling to Reduce Complexity in Agent-based Systems Design*”. BT grant No. ML816801/MH354166.
- 1995: **Shorter MBA** σε **Οικονομική και Λογιστική Διοίκηση**<sup>1</sup>. Όμιλος Μακεδονικών Σπουδών, Θεσσαλονίκη. Σε συνεργασία με Olympian University Foundation, Wilmington, USA.
- 1993: **M.Sc. in Computer Science**. Department of Computer Science, University of Essex, Essex, UK.
- 1991: **Πτυχίο Μαθηματικών**. Τμήμα Μαθηματικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.

## 2. ΔΙΑΚΡΙΣΕΙΣ

- 1999-2002: **Υποτροφία** για εκπόνηση διδακτορικής διατριβής από British Telecommunications, UK (BT PhD grant No. ML816801/MH354166).
- Sep 2002: **Βραβείο Αριστείου Έρευνας** (BT Labs Inventor research excellence award) από τα BT labs, UK. Τίτλος πατέντας: “*Multi-Agent System Design Using Role Models*” με S. Thompson από BT Exact Technologies, UK (Patent No. 02704934.5-2211-GB0201048).
- Aug 2001: **Υποτροφία συμμετοχής** στο Sixth AAAI/SIGART Doctoral Consortium, σε συνδυασμό με IJCAI, Seattle, USA.

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<sup>1</sup> Ο τίτλος αυτός δεν αναγνωρίζεται από το ΔΙΚΑΤΣΑ.

- 1994-1995: **Υποτροφία** για απόκτηση τίτλου Shorter MBA από Όμιλο Μακεδονικών Σπουδών, Θεσσαλονίκη.
- 1986: **Βραβείο** εισαγωγής, Τμήμα Μαθηματικών, Αριστοτέλειο Πανεπιστήμιο Θεσσαλονίκης.

### **3. ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ**

- Self-organising and Agent-based Software Engineering
- Agent-based Business Process Management
- Applications of Agent Technology
- Modelling and Simulation

### **4. ΕΠΑΓΓΕΛΜΑΤΙΚΗ ΕΜΠΕΙΡΙΑ**

#### **A. ΕΡΕΥΝΗΤΙΚΑ ΠΡΟΓΡΑΜΜΑΤΑ**

- 03/06-12/06: **Research Associate.** Research project: “*Sawmill Optimisation Software*“, E-Efficiency Computer Applications, Greece
- 03/04-12/05: **Research Associate.** Research project: “*Dynamic Multi-Agent Systems Formation*”. Act Pythagoras: “Supporting University Research Groups“, Universtiy of Aegean, Greece.
- 09/02-12/03: **Research Fellow (Grade II).** Research Projects: “[\*Multi-Agent Business Environments \(MABE\)\*](#)“ and “[\*Agentcities.NET\*](#)“. Dept. of Computation, UMIST, UK.
- 01/94-12/95: **Research Programmer.** CLAIRE Research Group. Research Institute of Meteorology and Climatology. School of Geology, Aristotle University, Greece.
- 11/93-04/94: **Analyst - Software Engineer.** HYDROSCOPE Project. Sector of Hydraulics. Dept. of Civil Engineering. Aristotle University of Thessaloniki, Greece.
- 09/90-09/92: **Research Programmer.** EPOCH Research Group. Research Institute of Meteorology and Climatology. School of Geology, Aristotle University of Thessaloniki, Greece.
- 09/89-09/90: **Graduate Software Engineer.** Department of Chemical Engineering, Aristotle University of Thessaloniki, Greece.

#### **B. ΔΙΔΑΣΚΑΛΙΑ**

- 01/04-today: **Lecturer.** “Introduction to Computing”, “Computer Applications in Forestry” and “Applied Mathematics”. Dept. of Forestry and Natural Environment Administration, TEI of Larissa, Greece.

- 02/04-08/06: **Visiting Lecturer** (PD 407). “Software Analysis and Design” undergraduate and postgraduate courses given in the MSc programme titled “Software Technology and Information Systems”, Dept. of Computer & Communication Engineering, University of Thessaly, Volos, Greece.
- 02/04-08/06: **Visiting Lecturer** (PD 407). “Software Engineering” and “Programming I” (C language) courses, Dept. of Computer & Information Technology, TEI of Lamia, Greece.
- 09/94-05/97: **Visiting Lecturer.** Programming languages and Operating Systems (C++, C, Fortran, Pascal, Unix). Department of Informatics, School of Technological Applications, Technological Educational Institute, Thessaloniki, Greece.
- 09/99-05/00: **Lab Demonstrator.** Java, UML and business process simulation. Department of Computation, UMIST, UK. Lab demonstration and tutorial lecturing.

## C. ΙΔΙΩΤΙΚΟΣ ΤΟΜΕΑΣ

- 06/97-03/99: **Software engineer.** Java, C++. Private contracting, Thessaloniki, Greece.
- 09/96-12/97: **Seminar Instructor.** Computer Technology. Educational Institute “Dimitra“, Larisa, Greece.
- 09/95-12/96: **Simulation Programmer.** Discrete event simulation in C++ and Fortran. Private contracting, Thessaloniki, Greece
- 09/94-12/95: **Seminar Instructor.** Computer Tecnology. Macedonian Group of Studies. Thessaloniki, Greece.
- 06/91-09/92: **Software Engineer.** Turbo Pascal, C++, Ingress. Scan International, Thessaloniki, Macedonia, Greece.

## 4. ΔΗΜΟΣΙΕΥΣΕΙΣ

### 4.1 ΒΙΒΛΙΑ ΚΑΙ ΔΙΑΤΡΙΒΕΣ

1. Brueckner S., G. D. M. Serugendo, **A. Karageorgos**, and R. Nagpal, (eds). [\*Engineering Self-Organising Systems: Methodologies and Applications\*](#). Lecture Notes in Computer Science, Vol. 3464. 2005, Springer Verlag: Berlin.
2. Serugendo, G. D. M., **A. Karageorgos**, O. F. Rana and F. Zambonelli, (eds). [\*Engineering Self-Organising Systems: Nature-inspired approaches to software engineering\*](#). Lecture Notes in Computer Science, Vol. 2977. 2004, Springer Verlag: Berlin.
3. **Karageorgos, A.** [\*Using Role modelling and Synthesis to Reduce Complexity in Agent-Based System Design\*](#), PhD Thesis. Dept of Computer Science, University of Manchester Institute of Science and Technology (UMIST): Manchester, UK. 2003. pp. 219.

#### 4.2 ΠΕΡΙΟΔΙΚΑ ΜΕ ΣΥΣΤΗΜΑ ΚΡΙΤΩΝ

1. Serugendo, G.D.M., M.-P. Gleizes, and **A. Karageorgos**, 2006. [Self-Organisation and Emergence in MAS: An Overview](#). *Informatica*, special issue on "Hot Topics in European Agent Research II", 30, 1 (Jan 2006), p. 45-54.
2. Hassas, S., Serugendo, G.D.M., **Karageorgos, A.** and C. Castelfranci, 2006. [Self-Organising Mechanisms from Social and Business/Economics domains](#). *Informatica*, special issue on "Hot Topics in European Agent Research II", 30, 1 (Jan 2006), p. 63-71.
3. Serugendo, G.D.M., M.-P. Gleizes, and **A. Karageorgos**, 2005. [Self-Organisation and Emergence in Multi-Agent Systems](#). *Knowledge Engineering Review*, 20, 2 (Jun 2005), p. 165-189.
4. **Karageorgos, A.**, Mehandjiev, N., Hämmerle, A. and G. Weichhart, 2003. [Agent-Based Optimisation of Logistics and Production Planning](#). *Engineering Applications of Artificial Intelligence, Special Issue on Intelligent Manufacturing*, 16, 4, (June 2003), p. 335-348.
5. **Karageorgos, A.**, S. Thompson and N. Mehandjiev, 2002. [Agent-based system design for B2B electronic commerce](#), *International Journal of Electronic Commerce, Special Issue on Agent Technologies for B2B Electronic Commerce*, 7, 1, (Fall 2002), p. 59-90.
6. **Karageorgos, A.**, N. Mehandjiev and S. Thompson, 2002. [RAMASD: A Semi-Automatic Method for Designing Agent Organisations](#), *Knowledge Engineering Review, Special Issue on Coordination and Knowledge Engineering*, 17, 4 (Fall 2002), p. 57-84.

#### 4.3 ΚΕΦΑΛΑΙΑ ΒΙΒΛΙΩΝ

1. Serugendo, G.D.M., Foukia, N., Hassas, S., **Karageorgos, A.**, Mostefaoui, S.K., Rana, O.F., Ulieru, M., Valkenaers, P. and C. Van Aart, 2004. [Self-Organisation: Paradigms and Applications](#). In Serugendo, G.D.M., Karageorgos, A., Rana, O.F., and F. Zambonelli (eds). *Engineering Self-Organising Systems: Nature-inspired approaches to software engineering*. LNAI 2977, Springer Verlag, p. 1-19.
2. **Karageorgos, A.**, and N. Mehandjiev, 2004. [A Design Complexity Evaluation Framework for Agent-Based System Engineering Methodologies](#). In Omicini, A., Peta, P. and J. Pitt (eds), *Engineering Societies in the Agents World (ESAW 2003)*, LNCS 3071, Springer Verlag, p. 258-274.
3. Georgousopoulos, C., Rana, O.F., and **A. Karageorgos**, 2003, [Supporting FIPA Interoperability for Legacy Multi-Agent Systems](#). In *Agent-Oriented Software Engineering IV, Fourth International Workshop (AOSE 2003)*, Melbourne, Australia, July 15, Giorgini, P., Müller, J.P. and J. Odell (eds), LNCS 2935, Springer Verlag, p. 167-184.
4. **Karageorgos, A.**, S. Thompson and N. Mehandjiev, 2003. [Specifying Reuse Concerns in Agent System Design Using A Role Algebra](#). In Kowalczyk, R., Müller, J., Tianfield, H. and R. Unland (eds.), *Agent Technologies*,

#### 4.4 ΣΥΝΔΕΡΙΑ ΚΑΙ ΗΜΕΡΙΑΔΕΣ ΜΕ ΣΥΣΤΗΜΑ ΚΡΙΤΩΝ

1. Konstandinidis, V. and **A. Karageorgos**, 2005. [A Pattern language for FIPA Agent interface design](#). EUROCON 2005, The International Conference on "Computer as a tool". Sava Center, Belgrade, Serbia & Montenegro, November 21-24, 2005, IEEE Press.
2. Hämmerle, A., **Karageorgos, A.**, Reitbauer, A. and M. Pirker, 2004. [A Role-Based Infrastructure for Customised Agent System Development in Supply Networks](#). IEEE International Conference on Systems, Man and Cybernetics (SMC'2004), Hague, The Netherlands, 10-13 October, IEEE Press.
3. Reitbauer, A., Battino, A., **Karageorgos, A.**, Mehandjiev, N., Valckenaers P. and B. Saint Germain, 2004. [THE MABE MIDDLEWARE: Extending multi-agent systems to enable open business collaboration](#). 6th IFIP International Conference on Information Technology for Balanced Automation Systems in Manufacturing and Services, Vienna, Austria, 27-29 September 2004.
4. **Karageorgos, A.**, and N. Mehandjiev, 2003. [A Design Complexity Evaluation Framework for Agent-Based System Engineering Methodologies](#). Workshop on Engineering Societies in the Agents World (ESAW 2003), London, UK, October 29-31.
5. Mehandjiev N., **Karageorgos, A.** and G. H. Tsang, 2003. [Designing Coordination Systems for Distributed Teamwork](#). International Workshop on Distributed and Mobile Collaboration (DMC 2003), IEEE International Workshops on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE-2003), Linz, Austria, June 9-11, IEEE Press, p. 117-122.
6. Georgousopoulos, C., Rana, O.F., and **A. Karageorgos**, 2003. [Rapid development of FIPA interoperability for an existing legacy MAS](#). Agent-Oriented Software Engineering IV, Fourth International Workshop (AOSE 2003), held in conjunction with AAMAS 2003, Melbourne, Australia, July 15.
7. Mostefaoui, K. S, Rana, O. F., Foukia, N., Hassas, S., Serugendo, G.D.M., Van Aart, C. and **A. Karageorgos**, 2003. [Self-Organising Applications: A Survey](#). Engineering Self-Organising Applications, First International Workshop (AOSE 2003), held in conjunction with AAMAS 2003, Melbourne, Australia, July 15.
8. **Karageorgos, A.**, Mehandjiev, N, Hämmerle, A. and G. Weichhart, 2003. [Agent-Based Optimisation of Logistics and Production Planning](#). 7th IFAC Workshop on Intelligent Manufacturing Systems, IMS 2003, Budapest, Hungary, April 6-8, pp 121-126.
9. **Karageorgos, A.**, Thompson, S., and N. Mehandjiev, 2002. [Specifying Reuse Concerns in Agent System Design Using A Role Algebra](#). Workshop on Agent Technologies for e-services (ATES 2002), held in conjunction with Net.ObjectDays (NODe 2002). Erfurt, Germany, October 7-10.

10. **Karageorgos, A.**, S. Thompson and N. Mehandjiev, 2002. [Semi-Automatic Design of Agent Organisations](#). In Proceedings of ACM Symposium in Applied Computing, Special Track on Coordination Models, Languages and Applications, Madrid, Spain, March 10-14, ACM Press, p. 306-313.
11. **Karageorgos, A.**, S. Thompson and N. Mehandjiev, 2001. [Designing Agent Systems using a Role Algebra](#), Fourth Workshop of the UK Special Interest Group on Multi-Agent Systems, Oxford, UK, December 13-15, UKMAS SIG.
12. **Karageorgos, A.** and H. Karatza, 1997. [Performance Issues of Task Routing and Task Scheduling with Resequencing in Homogeneous Distributed Systems](#), In Proceedings of the 30th Annual Simulation Symposium, April 6-10, Atlanta, IEEE Computer Society Press, p. 182-192.

#### 4.5 ΠΑΤΕΝΤΕΣ

1. Thompson S. (BT Exact Technologies) and **A. Karageorgos**, 2002. [Multi-Agent System Design Using Role Models](#), BT Case Ref. A26117. European Patent Office Patent No. 02704934.5-2211-GB0201048.

#### 4.6 ΕΝΗΜΕΡΩΤΙΚΑ ΔΕΛΤΙΑ

1. G. Di Marzo Serugendo, Marie-Pierre Gleizes, Anthony Karageorgos "*AgentLink Third Technical Forum Group Self-Organisation in Multi-Agent*", [AgentLink Newsletter, Issue 19](#), ISSN 1465-3842, pp. 25, November 2005.
2. G. Di Marzo Serugendo, Marie-Pierre Gleizes, Anthony Karageorgos "*AgentLink Second Technical Forum Group Self-Organisation in Multi-Agent*", [AgentLink Newsletter, Issue 17](#), ISSN 1465-3842, pp. 24-25, April 2005.
3. G. Di Marzo Serugendo, Marie-Pierre Gleizes, Anthony Karageorgos "*AgentLink First Technical Forum Group Self-Organisation in Multi-Agent Systems*", [AgentLink Newsletter, Issue 16](#), ISSN 1465-3842, pp. 23-24, December 2004.

## 6. ΕΠΙΣΤΗΜΟΝΙΚΗ ΑΝΑΓΝΩΡΙΣΗ

- Editorial Board Member:
  - [ACM Transactions in Autonomous and Adaptive Systems \(TAAS\)](#).
- Steering Committee Member:
  - International Workshop on Engineering Self-organising Applications ([ESOA'05](#)), held together with [AAMAS'05](#), Utrecht University, Utrecht, Netherlands, 2005.
- Program Committee Member:
  - IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology ([WI/IAT 2008](#)), 9-12 December 2008, Sydney, Australia.
  - IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology ([WI/IAT 2007](#)), 2-5 November 2007, California, USA.

- Eighth International Workshop in Engineering Societies in the Agents World ([ESAW'07](#)), NCSR "Demokritos", Athens, Greece, 22-24 October 2007.
  - First IEEE International Conference on Self-Adaptive and Self-Organizing Systems, ([SASO 2007](#)) Boston, Mass., USA, July 9-11, 2007.
  - Sixth International Joint Conference on Autonomous Agents & Multi Agent Systems ([AAMAS'07](#)), Honolulu, Hawai'i May 14-18, 2007.
  - Inaugural International Digital Ecosystems and Technologies Conference, ([IEEE DEST 2007](#)), Cairns, Australia, 21-23 February 2007.
  - Fourth European Workshop on Multi-Agent Systems ([EUMAS'06](#)), Lisbon, Portugal, 14-15 December, 2006.
  - Multi-Agents for modelling Complex Systems ([MA4CS'06](#)), Satellite Workshop of the [European Conference on Complex Systems](#) (ECCS'06) Oxford, UK, 25-29 September 2006.
  - Seventh International Workshop in Engineering Societies in the Agents World ([ESAW'06](#)), 6-8 September 2006, University College Dublin, Ireland
  - Second International Conference on Innovations in Information Technology ([IIT'06](#)), Dubai, Arab Emirates, November 2006.
  - IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology ([WI/IAT 2006](#)), 18-22 December 2006, Hong Kong, China.
  - International Workshop on Ubiquitous Computing ([IWUC 2006](#)). held together with the 8th International Conference on Enterprise Information Systems (ICEIS 2006), May 23-27, 2006 – Paphos, Cyprus.
  - International Workshop on Engineering Self-organising Applications ([ESOA'06](#)), held together with AAMAS'06, Future University, Hakodate, Japan, 2006.
  - Fifth International Joint Conference on Autonomous Agents & Multi Agent Systems ([AAMAS'06](#)), Future University, Hakodate, Japan, May 8-12, 2006
  - Third European Workshop on Multi-Agent Systems ([EUMAS'05](#)), Brussels, Belgium, 7th and 8th December, 2005.
  - [Multi-Agents for modelling Complex Systems](#) (MA4CS'05), Satellite Workshop of the European Conference on Complex Systems (ECCS'05) Paris, France, 14-18 November 2005.
  - Sixth International Workshop in Engineering Societies in the Agents World ([ESAW'05](#)), 26-28 October 2005, Kuşadası, Aydın, Turkey.
  - IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology ([WI/IAT 2005](#)), September 19-22, 2005, in Compiègne University of Technology, France.
  - International Workshop on Ubiquitous Computing ([IWUC 2005](#)). Held at the 7th International Conference on Enterprise Information Systems (ICEIS 2005), May 24-25, 2005 - Miami, USA.
  - Fifth International Workshop in Engineering Societies in the Agents World ([ESAW'04](#)), 20-22, October 2004, Toulouse, France.
  - IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology ([WI/IAT 2004](#)), September 20-24 2004, Beijing, China.
  - International Workshop on Ubiquitous Computing ([IWUC 2004](#)). Held at the 6th International Conference on Enterprise Information Systems (ICEIS 2004), April 13-14, Porto, Portugal.
  - International workshop on Agent-Based Approaches to B2B Electronic Commerce. Held in conjunction with the Tenth International Conference on Cooperative Information Systems (CoopIS 2003), 3-7 November 2003, Catania, Sicily (Italy).
- Reviewer:
    - Web Intelligence and Agent Systems (WAIS) (2005)

- Knowledge Engineering Review (2004)
- Concurrency and Computation: Practice and Experience (2004, 2006)
- Journal of Engineering Applications of Artificial Intelligence (2003, 2005).
- Logistics Information Management: An International Journal (2003)
- International Journal of Electronic Commerce (2002, 2003).
- International Conference on Cybernetics and Information Technologies, Systems and Applications: CITSA 2004.
- ACM Symposium in Applied Computing, Special Track on Coordination Models, Languages and Applications (2002, 2003, 2004, 2005, 2006).
- International talks:
  - Half day invited tutorial titled "[\*Self-Organisation and Emergence: Mechanisms and Applications\*](#)", with G.D.M Serugendo and M.P. Gleizes. CEEMAS'05, Budapest, 15 September 2005.
  - OpenNet Agent Technology and Applications meeting, Oxford, UK, December 2003.
  - Agencities ID 4, Helsinki, Finland, August 2003.
  - Agencities ID 3, Barcelona, Spain, February 2003.
  - Methodologies and Software Engineering for Agent Systems (MSEAS) special interest group, Agentlink, Prague, July 2001.

## 7. AOIIIA

- Head of Course Sector A', Dept. of Forestry and Natural Environment Administration, TEI of Larissa, Greece (09/2006-08/2008).
- Member of the AgentLink [Self-Organisation Workgroup](#).
- Member of the Agencities "[Engineering Self-Organising Applications Workgroup](#)".
- Co-organiser of the "Engineering Self-Organising Applications" workshops ([ESOA'2003](#) and [ESOA'2004](#)).
- UMIST representative in the discussions of the [OpenNet Network of Excellence](#).
- Creator of the [UMIST agencities node](#) for the Agencities.NET project..
- Research staff representative in the UMIST Departmental Academic Board (DAB) for the 2002-2003 academic year.
- Member of ACM, IEEE Computer Society.
- Completed military service obligations.