# CV
# Dr. Ilias K. Savvas

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**Tel.: +30 2410 684522**

Present Position: **Associate Professor, Dept. of Computer Science & Telecommunications, T.E.I. of Larissa, Greece**.

## Education
- PhD: Computer Science, UCD, School of Computer Science and Informatics, Dublin, Ireland, Thesis title: Scheduling and Assignment of CPU-Intensive Tasks on Large Heterogeneous Distributed Systems, 2004
- MSc: Computer Science, University of Dundee, Dept. of Computer Science, Scotland, U.K., Grade: Very Good, 1988
- BSc: Mathematics, Aristotle's University of Thessaloniki, Greece, Grade: Very Good, 1982.

## Skills and Qualifications
- gLite/EGEE (Enabling Grids for E-sciencE) in Practice (Hagenberg, Austria, 2007)
- Accelerated Training for Microsoft Windows NT 4.0 (Larissa, Greece, 2000)
- Development of Multimedia Applications, (Cannes, France, 1994)
- Languages: Greek (native language), English (excellent), German (good)

## Appointments

**Associate Professor**, Dept. of Computer Science & Telecommunications, T.E.I. of Larissa, Greece
**Modules**: Advanced Programming with C, Data Structures, File Structures
2013-present

**Visitor Professor, University College Dublin (UCD), Ireland,** School of Computer Science and Informatics, Cloud Computing – MSc module, Programming (undergraduate).
2011, Spring Semester

**Assistant Professor**, Dept. of Computer Science & Telecommunications, T.E.I. of Larissa, Greece
**Modules**: Algorithms and Complexity, Programming with C, Advanced Programming with C, Programming with JAVA, Data Structures, File Structures, Linear Algebra
2004-2013

**Lecturer**, Dept. of Computer Science & Telecommunications, T.E.I. of Larissa, Greece
**Modules**: Algorithms and Complexity, Programming with C, Advanced Programming with C, Programming with JAVA
2002-2004

**IT Manager**, Central Library, T.E.I. of Larissa, Greece                 1998-2002

**IT Manager**, Papayiannis Bros. Ltd., Food Industry, Larissa, Greece                 1996-1998

Under contract: **Lecturer**, Dept. of Civil Engineering, Dept. of Management                 1989-1996
**Modules**: Databases, Programming, Advanced Programming

## Student Notes
1. C Programming I, Dept of Computer Science & Telecommunications
2. C Programming II, Dept of Computer Science & Telecommunications
3. Algorithms and Complexity, Dept of Computer Science & Telecommunications
4. Programming with JAVA, Dept of Computer Science & Telecommunications
5. Databases, Dept. of Project Management

## Research Interests
Task scheduling and load balancing, Resource allocation, Data mining and distributed data mining, Parallel and distributed algorithms, Networks performance, Computational GRID, Cloud Computing.

## Awards and Honors
- Best Paper Award: WETICE/ETNGRID'06, George Kakarontzas and Ilias K. Savvas, "Agent-Based Resource Discovery and Selection for Dynamic Grids", IEEE Computer Society Press, WETICE 2006/Emerging Technologies for Next-generation GRID, ETNGRID 2006, pages 195-200, Manchester, U.K., June 2006
- Best Paper Award: Ilias K Savvas and Tahar Kechadi, "Task Scheduling Using the Tabu Search Heuristic Technique", $16^o$ All Greek Conference of Project Management, Larissa, Sept. 2003

## Professional Activities

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|---|---|
| Steering/Program Committee: "Cooperative Data Mining", WETICE 2013 | 2013 |
| Program Committee "Convergence of Distributed Clouds, Grids and their Management" - CDCGM 2013 | 2013 |
| Steering/Program Committee of the track "Cooperative Data Mining", WETICE 2012, | 2012 |
| Program Committee "Convergence of Distributed Clouds, Grids and their Management" - CDCGM 2012, http://etngrid.diit.unict.it/OaC.html, | 2012 |
| Reviewer: Future Generation Computer Systems (journal), Elsevier, http://www.elsevier.com/wps/find/journaldescription.cws_home/505611/description#description | 2010-present |
| Co-Organizer: 2nd International IEEE Track on Cooperative Knowledge Discovery and Data Mining – CKDD/WETICE 2011, Paris, France | 2011 |
| Steering Committee: 2nd IEEE International Track on Cooperative Knowledge Discovery and Data Mining – CKDD/WETICE 2011, | 2011 |

Paris, France

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|---|---|
| Steering Committee: WETICE 2010, 20th IEEE International Conference, Paris, France | 2011 |
| Chair of the Scientific Committee and Coordinator of the Collaborative PHD Programme on Computer Science between UCD, Ireland and T.E.I. if Larissa, Greece | 2010-2014 |
| Local Coordinator of the Collaborative PHD Programme on Computer Science between UCD and T.E.I. of Larissa | 2010-2014 |
| Organizer: WETICE 2010, 19th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises, Larissa, Greece | 2010 |
| Co-Organizer: 1st International IEEE Workshop on Cooperative Knowledge Discovery and Data Mining – CKDD, Larissa, Greece | 2010 |
| Steering Committee: 1st IEEE International Workshop on Cooperative Knowledge Discovery and Data Mining – CKDD, Larissa, Greece | 2010 |
| Program Committee: 1st IEEE International Workshop on Cooperative Knowledge Discovery and Data Mining – CKDD, Larissa, Greece | 2010 |
| Steering Committee: WETICE 2010, 19th IEEE International Workshops on Enabling Technologies: Infrastructures for Collaborative Enterprises, Larissa, Greece | 2010 |
| Program Committee: International IEEE Workshop on Emerging Technologies for Next generation GRID - ETNGRID | 2008 - 2010 |
| Reviewer: (International Journal of) Future Generation Computer Systems, Elsevier | 2010 |
| Reviewer: (International Journal of) Computer Applications, ACTA Academic Press | 2007-2010 |
| Supervisor: MSc theses, PhD theses | 2006-2010 |
| Internal Examiner: MSc theses | 2006-2010 |
| External Examiner: MSc theses | 2010 |
| University's representative: Greek Academic Libraries Network | 2002–2010 |
| University's representative: Greek Academic Community of "Greek Free / Open Source Software Society" | 2004 – 2010 |
| University's representative: Greek Academic Computational GRID | 2007–2010 |
| Vice President: National Library of Larissa, Greece | 2000-2010 |
| Organizer: 11th All Greek Conference of Academic Libraries | 2002 |

# Contribution to the Department

| | |
|---|---|
| Chair of the Scientific Committee and Coordinator of the Collaborative PHD Programme on Computer Science between UCD and T.E.I. of Larissa | 2010-2014 |
| Local Coordinator of the Collaborative PHD Programme on Computer Science between UCD and T.E.I. of Larissa | 2010-2014 |
| Supervisor (final year projects) (Appendix) | From 2002 |
| Supervisor (MSc theses) (Appendix) | From 2006 |
| Member of the Scientific Committee 'Development of the new department's MSc course: MSc in Computer Science' | 2009-2010 |
| Member of the Scientific Committee 'Development of the new department's syllabus' | 2004-2005 |
| Student advisor | From 2008 |

| President / member of more than fifty (50) departmental committees (upon request) | From 2002 |

## Contribution to the Institute

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|---|---|
| President of the scientific committee 'Development of a Computer Laboratory for Disabled Students', Central Library of T.E.I. of Larissa | 2006-2008 |
| President of the scientific committee of the IT system of the Central Library of T.E.I. of Larissa | From 2002 |
| President / member of more than thirty (30) institutional committees (upon request) | From 2002 |
| University's representative: Greek Academic Libraries Network | 2002–2010 |
| University's representative: Greek Academic Community of "Greek Free / Open Source Software Society" | 2004 – 2010 |
| University's representative: Greek Academic Computational GRID | 2007–2010 |
| Organizer, President of Steering Committee: 11th All Greek Conference of Academic Libraries | 2002 |

## Contribution to the Society

| | |
|---|---|
| Vice President: National Library of Larissa, Greece (non-funding position) | 2000-2010 |
| IT Manger: National Library of Larissa, Greece (non-funding position) | From 2002 |
| President of the scientific committee 'Development of a Computer Laboratory for Disabled People', Central Library of T.E.I. of Larissa | 2006-2008 |

## Administration Duties

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| Student advisor | From 2008 |
| President / Member of several committees for purchase of various materials (Computer Labs, equipment and maintenance of classrooms, heating, …) | From 2002 |

## Research funding

1. Advanced E-learning services for the T.E.I. of Larissa, 2003-2006, Budget: € 116,000
2. Development of Heuristic Algorithms to Optimize Large Computational Heterogeneous Computing Systems, 2003-2004, Budget: € 10,000
3. Research and Development of Sensor Networks for Agricultural Applications, (participation), 2003-2007, Budget: € 80,000
4. Resource Management Techniques for Increasing the Bandwidth of Telecommunication Networks, (participation), 2003-2007, Budget: € 80,000

## Selected Publications

### 2012

1. Dimitrios Tselios, Ilias K. Savvas, and M-Tahar Kechadi, "The Weighted Tardiness as objective function of a RNN model for the Job Scheduling Problem",

IEEE 6th International Symposium on Mathematical Modeling and Computer Simulation, EMS 2012, pages 13-18, Valetta, Malta,

2. Ilias K. Savvas, M-Tahar Kechadi, "Mining on the Cloud: K-means with MapReduce", 2nd Int. Conference on Cloud Computing and Service Sciences, CLOSER 2012, pages 413-418, Porto, Portugal,

3. Dimitrios Tselios, Ilias K. Savvas, and M-Tahar Kechadi, "Project Portofolio: A Job Scheduling Approach", The Sixth International Conference on Complex, Intelligent, and Software Intensive Systems (CISIS-2012) – ICLS 2012, Palermo, Italy.

**2011**

4. G. Kakarontzas, I. K. Savvas, and I. Stamelos, "Agents, clusters and components: A synergistic approach to the GSP", Future Generation Computer Systems – FGCS, 27 (8): 999-1010 (2011), impact factor: 2,365.

**2010**

5. P. Fitsilis, V. Gerogiannis, L. Anthopoulos, and I. K. Savvas, "Supporting the Requirements Prioritization Process Using Social Network Analysis Techniques IEEE Computer Society Press, WETICE 2010 /Cooperative Knowledge Discovery and Data Mining", CKDD 2010, pages 110-115, Larissa, Greece, June 2010.

**2009**

6. Ilias K. Savvas, "Synergy of Task Allocation Techniques for Large Computational Grids", IEEE Computer Society Press, WETICE 2009 / Emerging Technologies for Next-generation GRID, ETNGRID 2009, pages 171-176, Groningen (The Netherlands), June 2009.

**2008**

7. Ilias K. Savvas, Dimitrios C. Tselios, and George Kakarontzas, "Quality Interplay in Regular vs. Irregular Grid Topologies", IEEE Computer Society Press, WETICE 2008 / Emerging Technologies for Next-generation GRID, ETNGRID 2008, pages 176-181, Rome, Italy, June 2008.

**2007**

8. Ilias K. Savvas and M-Tahar Kechadi, "Efficient Load Balancing on Irregular Network Topologies Using B+tree Structures", IEEE Computer Society Press, 6th International Symposium in Parallel and Distributed Computing, ISPDC 07, pages 185-192, Hagenberg, Austria, July 5-8, 2007.

9. Ilias K. Savvas and George Kakarontzas, "On Resource Clustering Techniques for Grid Resource Discovery", IEEE Computer Society Press, WETICE 2007/Emerging Technologies for Next-generation GRID, ETNGRID 2007, pages 302-307, Paris, France, June 2007.

**2006**

10. George Kakarontzas and Ilias K. Savvas, "Clustering Resources for Grids: an Agent-Based Approach", *Annals of Mathematics, Computing and Teleinformatics*, Vol 1, No 4 (2006), pages 9-16.

11. George Kakarontzas and Ilias K. Savvas, "Agent-Based Resource Discovery and Selection for Dynamic Grids", IEEE Computer Society Press, WETICE 2006/Emerging Technologies for Next-generation GRID, ETNGRID 2006, pages 195-200, Manchester, U.K., June 2006.

**2005**

12. M-Tahar Kechad and Ilias K. Savvas, "Dynamic Task Scheduling for Irregular Network Topologies", *International Journal of Parallel Computing*, Elsevier, Vol 31 (2005), pages 757-776

13. Ilias Savvas, Dimitrios Tselios, and Pandelis Ypsilandis, "Load Balancing on Reliable Irregular Networks", 9th World Multi Conference On Systemics, Cybernetics and Informatics, 2005, Orlando, USA, Vol. III, pages 41-46.

**2004**

14. Ilias Savvas and Tahar Kechadi, "Performance Study of a Dynamic Task Scheduling For Heterogeneous Distributed Systems", *Operational Research*, Vol. 4, Issue 3, pages 291-303

15. Ilias Savvas and Tahar Kechadi, "Dynamic Task Scheduling in Computing Cluster Environments", IEEE Computer Society Press, 3nd International Symposium in Parallel and Distributed Computing / HeteroPar'04, pages 372-379, Cork, Ireland, July 2004.

**2003**

16. Ilias Savvas and Tahar Kechadi, "On The Load Distribution and Performance of Meta-Computing Systems", IEEE Computer Society Press, 2nd International Symposium in Parallel and Distributed Computing, pages 222-229, Ljubljana, Slovenia, Oct. 2003.

17. Ilias Savvas and Tahar Kechadi, "Performance Study of Scheduling Mechanisms for P2P Computing Environments", Parallel Computing and Applied Mathematics / HeteroPar-03, Czestochowa, Poland, 7-10 Sept 2003, Springer – Verlag, LNCS 3019, pages 954-962.

18. C. Hartonas, V. C. Gerogiannis, I. Savvas & G. Kakarontzas, "Towards Team Orientation in Agent Design: Social Plan Execution", e-Proceedings of SSGRR'03s, L'Aquila, Italy, July 27 - August 4, 2003.

19. Ilias Savvas, and Kechadi, M-T., "Task Scheduling Using Tabu Search Heuristic Techniques", The 13th National Conf. on Operation Research, 2003, Larissa, Greece, September, 15-19. (12 pages)

**2002**

20. Ilias Savvas and Tahar Kechadi, "Some Results on The Load Distribution of Heterogeneous Distributed Systems", 6th World Multi Conference on Systemics, Cybernetics and Informatics, 2002, Orlando, US, Volume IV: Mobile / Wireless Computing and Communication Systems I, pages 389-394.

February 24, 2013