

Paraskevi Fragopoulou, Professor
Department of Applied Informatics and Multimedia – TEI of Crete

Personal Information

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Research Interests

- Distributed Computing
- Parallel Algorithms and Applications
- Computer Networks
- Routing in Interconnection Networks
- Multicast Algorithms
- Peer-to-Peer and Grid Systems

Education

- **Doctoral Diploma (Ph.D.) Oct 1990 – Jan 1995**
Department of Computing and Information Science, Queen's University, Kingston, Canada
Title : "Communication and Fault Tolerance Algorithms on a Class of Interconnection Networks"
Supervisor : Prof. Selim G. Akl
- **Master of Science (M.Sc.) Sept 1989 – August 1990**
Department of Computing and Information Science, Queen's University, Kingston, Canada
Title : "Parallel Algorithms for the Fourier and Other Mathematical Transforms"
Supervisor : Prof. Selim G. Akl
- **Bachelor of Science (B.Sc.) Sept 1985 – June 1989**
Department of Computer Science, University of Crete, Heraklion-Crete, Greece

Professional Experience

June 2002 – Present

Professor

Department of Applied Informatics and Multimedia,
Technological Educational Institute of Crete (EPP-TEI), Heraklion-Crete, Greece

June. 2001 – May 2002

Return Marie-Curie Fellowship

Institute of Computer Science,
Foundation for Research and Technology-Hellas (FORTH-ICS), Heraklion-Crete,
Greece

Sept 1998 – Sept 2001

Maitre de Conference

Laboratoire PRiSM, Universite de Versailles, Versailles, France

Oct 1996 – Sept 1998

Marie Curie TMR Fellowship

Laboratoire de Recherche en Informatique, Universite Paris-Sud, Orsay, France

Oct 1995 – Sept 1996

Consultant

Danish Computing Center for Research and Education (UNI-C) and
Institute of Mathematical Modeling (IMM)
Technical University of Denmark

Feb. 1995 – July 1995

Postdoctoral Fellow

Laboratoire de l'Informatique du Parallelisme
Ecole Normale Superieure de Lyon, Lyon, France

Sept 1989 – Jan 1995

Research Assistant

Department of Computing and Information Science
Queen's University, Kingston, ON, Canada

Technical Reports

1. Artur Andrzejak, Alexander Reinefeld, Florian Schintke, T. Schütt, Carlo Mastroianni, Paraskevi Fragopoulou, Derrick Kondo, Paul Malecot, Gheorghe Cosmin Silaghi, Luis Moura Silva, Paolo Trunfio, Demetris Zeinalipour-Yazti and Eugenio Zimeo, **Grid Architectural Issues: State-of-the-art and Future Trends**, Institute on Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID-Network of Excellence, WHP-0004, May 2008.
2. Paolo Trunfio, Domenico Talia – *University of Calabria*, Paraskevi Fragopoulou, Charis Papadakis – *FORTH*, Matteo Mordacchini – *INFN*, Mika Pennanen – *VTT*, Kostantin Popov – *SICS*, Vladimir Vlassov, Seif Haridi – *KTH*, **Peer-to-Peer Models for Resource Discovery on Grids**, Institute on Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID TR-0028, March 17, 2006.
3. Charis Papadakis, Paraskevi Fragopoulou, Elias Athanasopoulos, Evangelos Markatos - *FORTH*, Marios Dikaiakos – *University of Cyprus*, Alexandros Labrinidis – *University of Pittsburgh*, **A Feedback Based Approach to Reduce Duplicate Messages in Unstructured Peer-to-Peer Systems**, Institute on Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID TR-0029, May 9, 2006.

4. Kyriacos Neocleous, Marios D. Dikaiakos - *University of Cyprus*, Paraskevi Fragopoulou, Evangelos Markatos – *FORTH*, **Failure Management in Grids: The Case of the EGEE Infrastructure**, Institute on Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID TR-0055, July 20, 2006.
5. Harris Papadakis, Paraskevi Fragopoulou, Evangelos P. Markatos - *FORTH*, Marios Dikaiakos - *University of Cyprus*, Alexandros Labrinidis - *University of Pittsburgh*, **Divide et Impera: Partitioning Unstructured Peer-to-Peer Systems to Improve Resource Location**, Institute on Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID TR-0065, March 5, 2006.
6. Marco Danelutto - *University of Pisa*, Paraskevi Fragopoulou - *FORTH*, Vladimir Getov - *University of Westminster*, **CoreGRID Workshop on Grid Programming Model Grid and P2P Systems Architecture, Grid Systems, Tools and Environments**, Institutes on Grid Programming Model, Architectural Issues: Scalability, Dependability, Adaptability & Grid Systems, Tools and Environments, CoreGRID TR-0080, June 12-13, 2007.
7. Harris Papadakis, Paraskevi Fragopoulou - *FORTH-ICS*, Paolo Trunfio, Domenico Talia - *University of Calabria*, **Design and Implementation of a Hybrid P2P-based Grid Resource Discovery System**, Institute on Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID TR-0105, August 21, 2007.
8. Marcin Adamski, Gracjan Jankowski, Norbert Meyer (Poznan Supercomputing and Networking Center), Alvaro Arenas, Brian Matthews, Michael Wilson (STFC), Angelos Bilas (FORTH & University of Crete), Paraskevi Fragopoulou (FORTH & Technological Educational Institute of Crete), Vasil Georgiev (IPP-BAS), Alejandro Hevia (University of Chile), Jorg Platte (University of Dortmund), **Trust and Security in Grids: A State of the Art**, CoreGRID White paper, WHP-0001, May 26, 2008.
9. Augustino Forestiero, Carlo Mastroianni, Harris Papadakis, Paraskevi Fragopoulou, Alberto Troisi, Eugenio Zimeo, **A Scalable Architecture for Discovery and Planning in P2P Service Networks**, Architectural Issues: Scalability, Dependability, Adaptability, CoreGRID TR-00152, 2008.

Edited Books / Journal Special Issues

1. CoreGRID Heraklion Workshop, Springer volume, “Making Grids Work”, Editors: M. Danelutto, P. Fragopoulou, V. Getov, 2008
2. CoreGRID 2008 Integration Workshop “Integrated Research in Grid Computing” on site Proceedings, 2008.
3. CoreGRID 2008 Integration Workshop Springer volume, "Grid Computing: Achievements and Prospects", Editors: S. Gorlatch, P. Fragopoulou, T. Priol, 2008
4. PPL Special Issue on Grid Architectural Issues: Scalability, Dependability, Adaptability, September 2008.

Articles in Books

1. Harris Papadakis, Paolo Trunfio, Domenico Talia, Paraskevi Fragopoulou, “An Experimental Evaluation of the DQ-DHT Algorithm in a Grid Information Service”, CoreGRID Springer Series “*Grids, P2P and Services Computing*”, Editors: F. Desprez, V. Getov, T. Priol, R. Yahyapour, pp. 59-72, Springer 2010.
2. Paraskevi Fragopoulou, Carlo Mastroianni, Ruben Montero, Rizos Sakellariou, Artur Andrzejak, Derrick Kondo, “Self-* and Adaptive Mechanisms for Large-Scale Distributed Systems”, Proceedings of the CoreGRID ERCIM Working Group Workshop on Grids, P2P and Service computing in conjunction with EuroPAR 2009, Delft, Netherlands, August 2009.
3. Augustino Forestiero, Carlo Mastroianni, Harris Papadakis, Paraskevi Fragopoulou, Alberto Troisi, Eugenio Zimeo, “A Scalable Architecture for Discovery and Composition in P2P Service Networks”, CoreGrid Springer Series “*Grid Computing Achievements and Prospects*”, Editors: S. Gorlatch, P. Fragopoulou, T. Priol, pp 97-108, Springer 2008.
4. Harris Papadakis, Paolo Trunfio, Domenico Talia, Paraskevi Fragopoulou, “Design and Implementation of a Hybrid P2P-based Grid Resource Discovery System”, CoreGRID Springer series “*Making Grids Work*”, Editors: M. Danelutto, P. Fragopoulou, V. Getov, pp. 89-101, Springer 2008.

5. Harris Papadakis, Paraskevi Fragopoulou, Evangelos P. Markatos, Marios Dikaiakos, Alexandros Labrinidis, "Divide et Impera: Partitioning Unstructured Peer-to-Peer Systems to Improve Resource Location", CoreGrid Springer series "*Achievements in European Research on Grid Systems*", Editors: S. Gorlatch, M. Bubak, T. Priol, pp. 1-12, 2008.
6. Harris Papadakis, Paraskevi Fragopoulou, Evangelos P. Markatos, Marios Dikaiakos, Alexandros Labrinidis, "A Feedback-based Approach to reduce Duplicate Messages in Unstructured Peer-to-Peer Systems", CoreGrid Springer series "*Integrated research in Grid Computing*", Editors: S. Gorlatch, M. Danelutto, pp. 103-118, 2007.

Journal Publications

1. Meltini Chistodoulaki, Paraskevi Fragopoulou, "SafeLine: Reporting Illegal Internet Content", *Journal of Information Management & Computer Security*, 18(1), Emerald 2010.
2. Harris Papadakis, Paraskevi Fragopoulou, Evangelos P. Markatos, Marios D. Dikaiakos, Alexandros Labrinidis, "Hash-based Overlay Partitioning in Unstructured Peer-to-Peer Systems", *Parallel Processing Letters*, 19(1), 57-71, March 2009.
3. Eugenio Zimeo, Alberto Troisi, Harris, Papadakis, Paraskevi Fragopoulou, Agostino Forestiero, Carlo Mastroianni, "Cooperative Self-Composition and Discovery of Grid Services in P2P Networks", *Parallel Processing Letters*, Special Issue on Grid Architectural Issues: Scalability, Dependability, Adaptability, 18(3), 329-346, Sept. 2008.
4. Kyriakos Neocleous, Marios D. Dikaiakos, Paraskevi Fragopoulou, Evangelos Markatos, "Failure Management in Grids: The Case of the EGEE Infrastructure", *Parallel Processing Letters*, 17(4), 391-410, Dec. 2007.
5. P. Trunfio, D. Talia, H. Papadakis, P. Fragopoulou, M. Mordacchini, M. Pennanen, K. Popov, V. Vlassov, S. Haridi, "Peer-to-Peer Resource Discovery in Grids: Models and Systems", *Future Generation Computer Systems (FGCS)*, 23, 864-878, 2007.
6. M. El Haddad, P. Fragopoulou, Y. Manoussakis, R. Saad, "The Forwarding Index of Antisymmetric Routings", *J. Combinatorial Mathematics And Combinatorial Computing*, 60, 203-219, 2007.
7. P. Fragopoulou, "Approximation Algorithms for the k-Source Multicast Tree Construction Problem", *Networks*, 47(3), 178-183, 2006.
8. D. Barth, P. Berthome, P. Fragopoulou, "The Complexity of the Maximal Request Satisfaction Problem in Multipoint Communication", *Parallel Processing Letters*, 15(1&2), 209-222, 2005.
9. D. Barth, P. Fragopoulou, M-C. Heydemann, "Uniform Emulations of Cartesian-Product and Cayley Graphs", *Discrete Applied Mathematics*, 116(1-2), 37-54, 2002.
10. D. Barth, P. Fragopoulou, "Compact Multicast Algorithms on Grids and Tori without Intermediate Buffering", *Parallel Processing Letters*, 12(1), 31-39, 2002.
11. D. Krumme, P. Fragopoulou, "Minimum Eccentricity Multicast Trees", *Discrete Mathematics and Theoretical Computer Science*, 4(2), 157-172, 2001.
12. A.M. Farley, P. Fragopoulou, D. Krumme, A. Proskurowski, D. Richards, "Multi-Source Spanning Tree Problems", *Journal of Interconnection Networks*, 1(1), 61-71, 2000.
13. P. Fragopoulou, S.G. Akl, "Spanning Graphs with Applications to Communication on a Subclass of the Cayley Graph Based Networks", *Discrete Applied Mathematics*, 83, 79-96, 1998.
14. P. Fragopoulou, S.G. Akl, "Spanning Subgraphs with Applications to Communication on the Multidimensional Torus Network", *Parallel Computing*, 22(8), 991-1015, 1996.
15. P. Fragopoulou, S.G. Akl, H. Meijer, "Optimal Communication Primitives on the Generalized Hypercube Network", *Journal of Parallel and Distributed Computing*, 32(2), 173-187, 1996.
16. P. Fragopoulou, Ole H. Nielsen, "Performance Evaluation and Modeling of Reduction Operations on the IBM RS/6000 SP Parallel Computer", *Lecture Notes in Computer Science*, 1184, 272-283, 1996. Proceedings of the Workshop on Applied Parallel Computing in Industrial Problems Optimization (PARA'96), 272-283, Lyngby, Denmark, 1996.

17. P. Fragopoulou, S.G. Akl, "Edge-Disjoint Spanning Trees on the Star Network with Applications to Fault Tolerance", *IEEE Transactions on Computers*, 45(2), 174-185, 1996.
18. P. Fragopoulou, S.G. Akl, "Optimal Communication Algorithms on Star Graphs Using Spanning Tree Constructions", *Journal of Parallel and Distributed Computing*, 24(1), 55-71, 1995.
19. P. Fragopoulou, S.G. Akl, "A Parallel Algorithm for Computing Fourier Transforms on the Star Graph", *IEEE Transactions on Parallel and Distributed Systems*, 5(5), 525-531, 1994.
20. P. Fragopoulou, "On the Comparative Powers of the 2D-PARBS and the CRCW-PRAM Models", *Parallel Processing Letters*, 3(3), 301-304, 1993.
21. P. Fragopoulou, "On the Efficient Summation of N Numbers on an N Processor Reconfigurable Mesh", *Parallel Processing Letters*, 3(1), 71-78, 1993.

Conference / Workshop Publications

1. Harris Papadakis, Costas Panagiotakis, Paraskevi Fragopoulou, "Distributed Community Detection: Finding neighborhoods in a complex world using synthetic coordinates". In the Sixteenth IEEE Symposium on Computers and Communications (ISCC 2011), Corfu, Greece, June 28-July 1, 2011.
2. Harris Papadakis, Costas Panagiotakis, Paraskevi Fragopoulou, "Local Community Finding using Synthetic Coordinates". In the 2011 International Workshop on Social Computing, Network, and Services (SocialComNet 2011), in the 6th International Conference on Future Information Technology (FutureTech 2011), Crete, Greece, June 28-30, 2011.
3. Andreas Kalaitzakis, Harris Papadakis, Costas Panagiotakis, Paraskevi Fragopoulou, "Community Detection in collaborative Environments: A Comparative Analysis". In the 4th International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011), Crete, Greece, 25-27 May 2011.
4. Harris Papadakis, Paolo Trunfio, Domenico Talia and Paraskevi Fragopoulou, "An Experimental Evaluation of the DQ-DHT Algorithm in a Grid Information Service", In Proceedings of the *CoreGRID ERCIM Working Group Workshop on Grids, P2P and Service Computing* in conjunction with *EuroPAR 2009*, Delft, Netherlands, August 2009.
5. Harris Papadakis, Mema Roussopoulos, Paraskevi Fragopoulou, Evangelos Markatos, "Imbuing Unstructured P2P Systems with Non-intrusive Topology Awareness", *The Ninth International Conference on P2P Computing (P2P'09)*, Seattle, Washington, Sept 2009.
6. Agostino Forestiero, Carlo Mastroianni, Harris Papadakis, Paraskevi Fragopoulou, Alberto Troisi, Eugenio Zimeo, "A Scalable Architecture for Discovery and Composition in P2P Service Networks", *2008 CoreGRID Integration Workshop*, Heraklion-Crete, Greece, 2008.
7. Harris Papadakis, Paolo Trunfio, Domenico Talia, Paraskevi Fragopoulou, "Design and Implementation of a Hybrid P2P-based Grid Resource Discovery System", in *CoreGRID Workshop on Grid Programming Model, Grid and P2P Systems Architecture, Grid Systems, Tools and Environments*, Heraklion-Crete, Greece, June 2007.
8. Harris Papadakis, Paraskevi Fragopoulou, Evangelos P. Markatos, Marios Dikaiakos, Alexandros Labrinidis, "Divide et Impera: Partitioning Unstructured Peer-to-Peer Systems to Improve Resource Location", *3rd CoreGrid Integration Workshop*, Krakow, Poland, 2006.
9. Kyriakos Neocleous, Marios D. Dikaiakos, Paraskevi Fragopoulou, Evangelos Markatos, "Failure Management in Grids: The Case of the EGEE Infrastructure", *3rd CoreGrid Integration Workshop*, Krakow, Poland, 2006.
10. Kostantin Popov, Harris Papadakis, Paraskevi Fragopoulou, Vladimir Vlassov, "Building Scalable Self-Organizing Grid Services Using P2P Technologies", *3rd CoreGrid Integration Workshop*, Krakow, Poland, 2006.
11. Paolo Trunfio, Domenico Talia, Paraskevi Fragopoulou, Charis Papadakis, Matteo Mordacchini, Mika Pennanen, Konstantin Popov, Vladimir Vlassov and Seif Haridi. Peer-

- to-Peer Models for Resource Discovery on Grids. *2nd CoreGRID Workshop on Grid and Peer to Peer Systems Architecture*, Paris, France, January 2006.
12. C. Manifavas, P. Fragopoulou, V. Zacharopoulos, G. Mastorakis, "Securing Interactive Services Provided Over DVB-T", Proceedings of the *Annual Conference on Telecommunications and Multimedia (TEMU 2006)*, Heraklion-Crete, June 2006.
 13. Harris Papadakis, Paraskevi Fragopoulou, Evangelos P. Markatos, Marios Dikaiakos, Alexandros Labrinidis, "A Feedback-based Approach to reduce Duplicate Messages in Unstructured Peer-to-Peer Systems", *2nd CoreGrid Integration Workshop*, Lisbon, Portugal, Oct. 2005.
 14. P. Trunfio, D. Talia, H. Papadakis, P. Fragopoulou, M. Mordacchini, M. Pennanen, K. Popov, V. Vlassov, S. Haridi, "Peer-to-Peer Models for Resource Discovery in Grids", *2nd CoreGrid Integration Workshop*, Lisbon, Portugal, Oct. 2005.
 15. P. Fragopoulou, S. D. Nikolopoulos, L. Palios, "Multi-source Trees: Algorithms for Minimizing Eccentricity Cost Metrics", *The 16th Annual International Symposium on Algorithms and Computation (ISAAC 2005)*, China, Dec. 2005
 16. P. Fragopoulou, "New Cost Metrics for the Multicast Tree Construction Problem in Networks", Proceedings of the *Annual Conference on Telecommunications and Multimedia (TEMU 2005)*, Heraklion – Crete, June 2005.
 17. D. Stratakis, N. Farsaris, V. Zaharopoulos, T. Xenos, P. Fragopoulou, S. Apostolakis, "Electromagnetic Fields Measurements from 30MHz up to 2700 MHz in the region of Eastern Crete", Proceedings of the *Annual Conference on Telecommunications and Multimedia (TEMU 2005)*, Heraklion-Crete, June 2005.
 18. D. Barth, J. Cohen, P. Fragopoulou, G. Hébuterne, "Wavelength Assignment on a Ring All-optical Metropolitan Area Network", Proceedings of the *3rd Workshop on Approximation and Randomization Algorithms in Communication Networks*, 2002.
 19. D. Barth, P. Berthome, P. Fragopoulou, "Subtree Allocation for the Maximal Request Satisfaction Problem in Multipoint Communication", *ECCO 2000*, Italy, May 2000.
 20. D. Barth, P. Fragopoulou, "Compact Multicast Algorithms on Grids without Intermediate Buffering", Proceedings of the *International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'99)*, 1599-1605, Las Vegas, NV, USA, June 1999.
 21. A.M. Farley, P. Fragopoulou, D. Krumme, A. Proskurowski, D. Richards, "Multi-Source Spanning Tree Problems", Proceedings in Informatics 5, of the *6th International Colloquium on Structural Information and Communication Complexity (SIROCCO'99)*, 126-136, Lacanau, France, July 1999.
 22. P. Fragopoulou, S.G. Akl, "Efficient Algorithms for Global Data Communications on the Multidimensional Torus Network", Proceedings of the *9th International Parallel Processing Symposium (IPPS'95)*, 324-330, Santa Barbara, CA, Apr. 1995.
 23. P. Fragopoulou, S.G. Akl, "A Framework for Optimal Communication on a Subclass of the Cayley Graph Based Networks", Proceedings of the *14th Annual IEEE International Phoenix Conference on Computers and Communications (IPCCC'95)*, 241-248, Phoenix, AR, Mar. 1995.
 24. P. Fragopoulou, S.G. Akl, "Fault Tolerant Communication Algorithms on the Star Network Using Disjoint Paths", Proceedings of the *28th Hawaii International Conference on System Sciences (HICSS'95)*, II, 5-13, Maui, HI, Jan. 1995.
 25. P. Fragopoulou, "Optimal Routing Algorithms on the Generalized Hypercube Network", Proceedings of the *17th Biennial Symposium on Communications (BSC'94)*, 311-314, Kingston, ON, Canada, May 1994.
 26. P. Fragopoulou, S.G. Akl, "Optimal Communication Algorithms on the Star Interconnection Network", Proceedings of the *5th IEEE Symposium on Parallel and Distributed Processing (SPDP'93)*, 702-711, Dallas, TX, Dec. 1993.
 27. P. Fragopoulou, S.G. Akl, "A Parallel Algorithm for Computing Fourier Transforms on the Star Graph", Proceedings of the *20th International Conference on Parallel Processing (ICPP' 91)*, III, 100-106, St. Charles, IL, Aug. 1991.

28. P. Fragopoulou, S.G. Akl, "Efficient Computation of the Fourier Transform on Star Graphs", Proceedings of the *IMACS/IFAC International Symposium on Parallel and Distributed Computing in Engineering Systems*, 233-238, Corfu, Greece, June 1991.

Participation in Programme Committees

- Editor for the Parallel Processing Letters Journal, World Scientific
<http://www.worldscinet.com/ppl>
- Programme Committee: CoreGRID/ERCIM Workshop on Grids, Clouds and P2P Computing (CGWS 2011), in conjunction with EuroPar 2011, Bordeaux, France, August 29th, 2011. <http://www.di.unipi.it/CGWS2011>
- Programme Committee: International Workshop on Resource Discovery Mechanisms for P2P Systems (P2P-RDM) (hpc.isti.cnr.it/p2p-rdm) co-located with 11th IEEE International Conference on Computer and Information Technology (CIT 2011), 31 August - 2 September 2011, Pafos, Cyprus. <http://www.cs.ucy.ac.cy/CIT2011/>
- Local Organizing Committee: The 4th International Conference on Pervasive Technologies Related to Assistive Environments (PETRA 2011), Crete, Greece, May 25-27, 2011. <http://www.petrae.org/>
- Programme Committee: 3rd Workshop on Bio-Inspired and Self-* Algorithms for Distributed Systems (BADs 2011), in conjunction with the 8th IEEE International Conference on Autonomic Computing (ICAC 2011), Karlsruhe, Germany, June 14, 2011. <http://bads.icar.cnr.it/organisation.php>
- Organizing Committee: CoreGRID/ERCIM Workshop on Grids, Clouds and P2P computing, EuroPar 2010, Ischia, Italy, August 2010.
- Program Committee: 5th International ICST Conference on Bio-Inspired Models of Network, Information, and Computing Systems, BIONETICS 2010, Boston, MA, December 2010.
- Technical Programme Committee: 5th Int'l Conference on Bio-Inspired Models of Network, Information and Computing Systems (BIONETICS 2010; <http://www.bionetics.org/>) Boston, MA, USA, December 2010.
- Organizing Committee: 2nd Workshop on Bio-Inspired Algorithms for Distributed Systems (BADs 2010), with the 7th IEEE International Conference on Autonomic Computing (ICAC 2010), Washington, DC, USA, June 7-11, 2010.
- Organizing Committee: CoreGRID ERCIM Working Group Workshop on Grids, P2P and Service computing, Euro-Par Conference 2009, Delft, Netherlands, August 2009.
- Programme Committee: Grid Track, The 11th International Symposium on Stabilization, Safety, and Security of Distributed Systems (SSS 2009), Lyon, France, Nov. 2009.
- International Program Committee: 1st Workshop on Bio-Inspired Algorithms for Distributed Systems (BADs 2009), 6th IEEE International Conference on Autonomic Computing (ICAC 2009), Barcelona, Spain, June 15-19, 2009.
- Technical Program Committee: IEEE International Symposium on Cluster Computing and the Grid (CCGRID 09), Shanghai, China, May 18-21, 2009.
- Program Committee: ServiceWave 2008 Conference, Madrid, Spain, December 10-13, 2008.
- Programme Committee: 3rd Coregrid Workshop on Grid Middleware, Barcelona, June 4-5 2008.
- Programme Committee: CoreGRID Symposium 2008, Grand Canaria.
- Vice chair: "Grid and Cluster Computing" track of the Euro-Par 2008, Grand Canaria, Spain, August 2008.
- Organization of the CoreGRID Intergation Workshop, Heraklion-Crete, Greece, April 2008.
- Program Committee: 22nd IEEE International Conference on Advanced Information Networking and Applications (AINA 2008), GinWan, Okiawa, Japan, 25-28 March, 2008.

- Organization of the CoreGRID Workshop on Grid Programming Model, Grid and P2P System Architecture, Grid Systems, Tools and Environments, Heraklion-Crete, Greece, June 12-13, 2007.
- Program Committee, CCGrid 2008, 8th IEEE International Symposium on Cluster Computing and the Grid, Lyon, France, May 2008, <http://ccgrid2008.ens-lyon.fr>
- International Program Committee, CODS 2007, SIWN International Conference on Complex Open Distributed Systems, Chengdu, China, July 2007, <http://xiaglow-research.org.uk/CODS2007/>
- Program Committee, AINA 2008 (Advanced Information Networking and Applications), Okinawa, Japan, March 25-28, 2008.
- Program Committee, Workshop in conjunction with ISC'07 conference, CoreGRID Workshop on Grid Middleware, Dresden, June 25-26, 2007.
- Program Committee, CoreGRID Workshop on Grid Middleware, Dresden, Germany, June 2007.
- Organizing Committee, CoreGRID Workshop on Grid Programming Model, Grid and P2P System Architecture, Grid Systems, Tools, and Environments, Heraklion-Crete, June 12-13, 2007.
- Program Committee, 1st CoreGRID Symposium 2007 (with Euro-Par 2007), Rennes, France, August 2007.
- Program Committee, AINA 2007 (Advanced Information Networking and Applications), Niagara Falls, Canada, May 2007.
- Program Committee, SWAN 2006, 1st Workshop on Security and Trust of Web-oriented Application Networks, Bangalore, India, Dec. 6-8, 2006.
- Poster Committee, HPCN 2006 (High Performance Computing Networking), Paris, France, March 2006.
- Program Committee, TEMU 2006 (International Conference on Telecommunications and Multimedia), Heraklion, Crete-Greece, June 2006.
- Program Committee 2nd CoreGrid Workshop on Grid and P2P System Architecture, Paris France, Jan. 2006.
- Program Committee, 1st CoreGrid workshop on Grid and P2P System Architecture, Heraklion, Crete-Greece, Jan. 2005.

Fellowships

- Dean's Award, Queen's University, 1989 – 1990.
- Queen's Graduate Award, Queen's University, 1990 – 1993.
- Peace International Scholarship, 1991 – 1994.
- Individual “Marie-Curie” Post-doctoral Fellowship, European Commission, ERB4001GT951950, 1996 - 1998.
- Return “Marie-Curie” Fellowship, European Commission, 2001-2002