

Dimitris Fotakis

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PERSONAL DATA

Date and Place of Birth: May 25, 1971, Patras, GREECE.
Marital Status: Married, two children.
Military Service: Compulsory, Completed, Greek Air Force, Sept. 1999 – May 2001.

CURRENT POSITION

Associate Professor (*since August 2018*).
Assistant Professor (*February 2014 – August 2018*), **Lecturer** (*February 2009 – February 2014*).
Division of Computer Science, School of Electrical and Computer Engineering,
National Technical University of Athens, GREECE.
Visiting Senior Research Scientist, Yahoo Research, New York, USA (*Jul. 2017 - Aug. 2018*).
Group of Scalable Algorithms and Machine Learning, Manager: *Dr. Maxim Sviridenko*.

PREVIOUS POSITIONS

Assistant Professor (*October 2004 – February 2009, tenured since June 2008*).
Department of Information and Communication Systems Engineering,
School of Sciences, **University of the Aegean**, GREECE.
Lecturer (*November 2003 – October 2004*).
General Department of Mathematical, Physical, and Computational Sciences,
School of Engineering, **Aristotle University of Thessaloniki**, GREECE.
Post-doctoral Researcher (*September 2001 – August 2003*).
Algorithms and Complexity Group, **Max-Planck-Institut für Informatik**,
Saarbrücken, GERMANY. Director: *Prof. Dr. Kurt Mehlhorn*.

TEACHING POSITIONS

Tutor (*Oct. 2003 – Jul. 2017, Oct. 2019 – Jul. 2022*), **Assistant Coordinator** (*Oct. 2010 – Jul. 2016*),
Coordinator (*Oct. 2016 – Jul. 2017, Oct. 2020 – Jul. 2022*).
Discrete Mathematics and Mathematical Logic unit, Computer Science program, **Greek Open University**, GREECE.

EDUCATION

PhD in Computer Science (*June 1999*).
Department of Computer Engineering and Informatics, **University of Patras**, GREECE.
Thesis: *Approximate Solution of Computationally Hard Problems: Algorithms and Complexity*.
Advisor: *Prof. Paul Spirakis*
Computer Engineering Diploma (*November 1994, GPA: 9.10/10.0, with distinction*)
Department of Computer Engineering and Informatics, **University of Patras**, GREECE.

RESEARCH INTERESTS

Design and Analysis of Combinatorial Algorithms, Algorithmic Game Theory,
Approximation and Online Algorithms, Computational Learning Theory,
Computational Complexity, Algorithmic Engineering

RESEARCH PROJECTS / GRANTS

Scientific Coordinator, basic research project **Beyond Worst-Case Analysis in Approximation Algorithms and Mechanism Design/HFRI**, *Dec. 2019 – June 2023*. *Duties*: principal investigator, management, proposal writing.
Scientific Coordinator, basic research project **Algorithm Design through Learning Theory: Learning-Augmented and Data-Driven Online Algorithms/PEBE 2020**, National Technical University of Athens, *Dec. 2020 – May 2023*.
Duties: principal investigator, management, proposal writing.

Senior researcher, basic research project: **Graph Theoretical Tools for Sciences / Excellence, Cyprus Research Promotion Foundation, Jan. 2019 – Apr. 2022**. Coordinator: Vicky Papadopoulou.
Duties: member of the core group of main investigators.

Senior researcher, basic research project **Algorithmic Game Theory/Thales**, Greek Secretariat of Research and Technology, *Oct. 2011 – Oct. 2015*. Coordinator: Paul Spirakis.
Duties: member of the core group of main investigators, proposal writing.

Senior researcher, basic research project **Algorithms of Today/Thales**, Greek Secretariat of Research and Technology, *Oct. 2011 – Oct. 2015*. Coordinator: Stathis Zachos.
Duties: member of the core group of main investigators, member of the management board, proposal writing.

Senior researcher, basic research project **Handling Uncertainty in Data Intensive Applications/Thales**, Greek Secretariat of Research and Technology, *Oct. 2011 – Oct. 2015*. Coordinator: Foto Afrati. *Duties:* member of the core group of main investigators, proposal writing.

Scientific Coordinator, basic research project **Resource Allocation to Selfish Users Using Game Theoretic Models/PEBE 2009**, National Technical University of Athens, *Dec. 2009 – May 2012*. *Duties:* principal investigator, management, proposal writing.

Senior researcher, basic research project **Integrated Approaches to Very Large Network Optimization/Pythagoras**, Greek Secretariat of Research and Technology, *Sept. 2004 – Sept. 2006*. Coordinator: Christos Zaroliagis.

Researcher, member of the research group of the Computer Technology Institute for the EU-funded basic research projects:

- Dynamically Evolving, Large Scale Information Systems, **DELIS** (*Jan. 2004 – Dec. 2004*).
- Critical Resource Sharing for Cooperation in Complex Systems, **CRESCCO** (*Oct. 2003 – Dec. 2004*).
- Foundational Aspects of Global Computing Systems, **FLAGS** (*Oct. 2003 – Dec. 2004*).
- Algorithms and Complexity, **ALCOM-IT** (*Jan. 1996 – Sept. 1999*).

PROFESSIONAL SERVICE

Program Committees: *ESA-A 2022, EC 2022, IJCAI 2022, FCT 2021, IJCAI 2021 (SPC), AAAI 2021, CIAC 2021, WINE 2020, SAGT 2020, AAAI 2020, WINE 2019, WAOA 2019, WADS 2019, IJCAI 2019, WINE 2018, EC 2018, WINE 2018, IJCAI 2018, MFCS 2018, ESA-A 2017, SAGT 2017, CIAC 2017, WWW – Internet Monetization and Online Markets 2017, TAMC 2017, ICALP-A 2016, SWAT 2016, ICALP-A 2015, WINE 2015, SAGT 2015, TAMC 2015, Algorithms for MapReduce and Beyond 2014, TAMC 2014, SAGT 2013, CIAC 2013, WAOA 2013, SWAT 2012, SAGT 2012, ICALP-A 2011, EC 2010, SAGT 2010, SAGT 2008, ESA-A 2006.*

Program Committee Co-Chair: *ADT 2021, SAGT 2019.*

Organizing Committees: 23rd International Symposium on Fundamentals of Computation Theory (FCT 2021, Athens (virtual event), Greece, September 2021), 12th International Symposium on Algorithmic Game Theory (SAGT 2019, Athens, Greece, October 2019), 10th International Conference on Algorithms and Complexity (CIAC 2017, Athens, Greece, May 2017), International Summer School on Algorithmic Game Theory (Samos, Greece, July 2012), Athens Colloquium on Algorithms and Complexity (annual two-day workshop, member of the OC since 2009).

Associate Editor, Algorithms (open access journal), MDPI – Open Access Publishing.

Invited Editor: *Theory of Computing Systems*, special issue with selected papers from SAGT 2013, *Theoretical Computer Science*, special issue with selected papers from CIAC 2017, *Theory of Computing Systems*, special issue with selected papers from SAGT 2019.

Reviewer for the following **journals:** *Information and Computation, Journal of Computer and System Sciences, Algorithmica, Theoretical Computer Science, SIAM Journal on Discrete Mathematics, ACM Transactions on Algorithms, Theory of Computing Systems, ACM Transactions on Economics and Computation, Games and Economic Behavior, ACM Transactions on Knowledge and Data Engineering, Discrete Optimization, Discrete Mathematics and Theoretical Computer Science, Journal of Discrete Algorithms, International Journal of Game Theory, Parallel Processing Letters, ACM Journal of Experimental Algorithms, RAIRO Theoretical Informatics and Applications, Networks, Journal of Parallel and Distributed Processing, European Journal of Operational Research, Operational Research: An International Journal, Journal of Applied Mathematics and Computing, Computer Communications, Journal of Artificial Intelligence Research, Autonomous Agents and Multi-Agent Systems, Mathematics of Operations Research.*

Reviewer for the following **conferences**: ESA 1996, ESA 1998, ICALP 1999, ICALP 2001, STOC 2002, ICALP 2002, WG 2002, COCOON 2002, SPAA 2002, ESA 2002, SODA 2003, STACS 2003, SPAA 2003, WG 2003, MFCS 2003, WAOA 2003, WADS 2003, WEA 2003, ICALP 2004, MFCS 2004, GLOBECOM 2004, DISC 2004, QShine 2004, ACM-SAC 2005, IPDPS 2005, STACS 2005, SEC 2005, WEA 2005, ICALP 2005, EuroPar 2005, SPAA 2005, ESA 2005, CIAC 2006, WEA 2006, ICALP 2006, WADS 2006, EuroPar 2006, SODA 2007, ICALP 2007, WINE 2007, ICALP 2008, ESA 2008, FOCS 2008, WAOA 2008, WINE 2008, ICALP 2009, WAOA 09, ESA 09, WINE 09, MFCS 2010, ESA 2010, DICS 2010, WG 2011, IWOCA 2011, FST&TCS 2011, STACS 2012, ICALP 2012, EC 2012, COCOON 2012, ESA 2012, WAOA 2012, COCOON 2013, IWOCA 2013, ESA 2013, INFOCOM 2014, NetEcon 2014, ALENEX 2014, ITCS 2014, COCOON 2014, ICALP 2014, SAGT 2014, NetEcon 2015, CSR 2015, COCOON 2015, STOC 2015, SPAA 2015, LATIN 2016, SODA 2016, AAMAS 2016, STACS 2016, MFCS 2016, ISCO 2016, SODA 2017, ALENEX 2017, STACS 2017, SPAA 2017, ICALP 2017, ATMOS 2017, WAOA 2017, SODA 2018, SODA 2019, STACS 2019, CSR 2019, STACS 2020.

Evaluator of research proposals: General Secretariat of Research and Technology – Greece, Foundation for Research Promotion – Cyprus, Organization for Scientific Research – the Netherlands, Czech Science Foundation, European Research Council (ERC).

CITATIONS AND IMPACT

Scopus: 118 papers, 1367 citations, 21 h-index.

Google Scholar: 178 papers, 2750 citations (919 citations since 2017), 27 h-index, 57 i10-index

INVITED TALKS (WITH TRAVEL EXPENSES COVERED)

- *On Learning Graph Binomial Distributions and Powers of Poisson Binomial Distributions*. Simons Institute for Theoretical Computer Science, Berkeley, CA, May 1, 2018.
- *Facility Location Games and Truthful Approximations without Money*. EconCS Group, School of Engineering and Applied Sciences, Harvard University, MA, November 3, 2017.
- *Who to Trust for Truthfully Maximizing Welfare?* LIP6, University Pierre et Marie Curie, Paris, France, November 17, 2015.
- *Approximate Strategyproof Mechanisms for Facility Location Games*. International Summer School on Algorithmic Game Theory, Samos, Greece, July 17, 2012.
- *Deterministic Strategyproof Mechanisms for Facility Location Games*. Economics and Computation Group, Computer Science Department, University of Liverpool, UK, March 7, 2012.
- *Selected Topics in Algorithmic Game Theory: Congestion Games and Mechanism Design without Money*. 2nd Hellenic Artificial Intelligence Summer School (HAISS-11), University of Patras, Greece, July 28, 2011.
- *Congestion Games and Price of Anarchy: How to Reduce it and the Impact of Social Ignorance*. Algopaignio University Network, University of Patras, Greece, June 29, 2010.
- *Stackelberg Strategies and Cost-Balancing Tolls for Atomic Congestion Games*. Computer Science Department, University of Liverpool, UK, January 26, 2009.

LONG TERM VISITS (WITH TRAVEL AND LIVING EXPENSES COVERED)

- Invited professor, LAMSADE, *Univ. Paris Dauphine*, November 2016 and June 2017, March and June 2016, November 2014 and March 2015.
- Research visitor, Algorithms and Complexity Department, *Max-Planck-Institut für Informatik*, Saarbrücken, Germany, May – August, 2014.
- Visiting fellow, Computer Science Department, *University of Liverpool*, UK, February – April 2014.

TEACHING EXPERIENCE

- Algorithms and Complexity (undergraduate level, since 2004).
- Discrete Mathematics (undergraduate level, since 2003).
- Introduction to Computer Programming (undergraduate level, since 2009).
- Theory of Computation (undergraduate level, 2004 – 2008).
- Data Structures (undergraduate level, 2004-2008).
- Introduction to Combinatorial Optimization (graduate level, 2005 – 2008).
- Approximation and Online Algorithms (graduate level, 2009, 2012).
- Randomized Algorithms (graduate level, 2010).
- Algorithmic Game Theory (graduate level, 2011, 2016 and since 2020).

ADVISING AND MENTORING

- PhD advisor of *Loukas Kavouras* (thesis title: *Online Algorithms for Dynamic Aggregation Problems*, May 2021).
- PhD advisor of *Stratis Skoulakis* (thesis title: *Natural and Efficient Dynamics through Convex Optimization*, September 2019).
- PhD co-advisor of *Thanasis Lianeas* (thesis title: *Congestion Games: Stochastic Extensions and Techniques for Reducing the Price of Anarchy*, December 2014).
- Advisor or co-advisor of 15 PhD students (main advisor in 8 of them).
- Mentor and research advisor of approx. 60 undergraduate or graduate students (since 2010) admitted for PhD in top universities abroad (e.g., MIT, Cornell, Columbia, Harvard, UPenn, Washington, Austin, Oxford, Edinburgh).
- Advisor or co-advisor of approx. 80 undergraduate diploma theses and of 10 MSc theses on approximation and online algorithms, algorithmic game theory and computational learning theory.

PUBLICATIONS

Books – Lecture Notes (in Greek)

- [B5] E. Zachos and D. Fotakis. *Algorithms and Complexity (lecture notes)*. School of Electrical and Computer Engineering, National Technical University of Athens, 2012.
- [B4] D. Fotakis. *Algorithms and Complexity (lecture notes)*. Department of Information and Communication Systems Engineering, University of the Aegean, 2004.
- [B3] D. Fotakis. *Data Structures (lecture notes)*. Department of Information and Communication Systems Engineering, University of the Aegean, 2004.
- [B2] P. Spirakis and D. Fotakis. *Advanced Algorithms*. Greek Open University, 2003.
- [B1] D. Fotakis and P. Spirakis. *Algorithms and Complexity*. Greek Open University, 2002.

Journals

THEORETICAL COMPUTER SCIENCE

- [J40] G. Fikioris and D. Fotakis. Mechanism Design for Perturbation Stable Combinatorial Auctions. *Theory of Computing Systems*, Springer 2022 (to appear).
- [J39] D. Fotakis, L. Kavouras, P. Kostopanagiotis, P. Lazos, S. Skoulakis and N. Zarifis. Reallocating Multiple Facilities on the Line. *Theoretical Computer Science*. **858**: 13-34, Elsevier, 2021.
- [J38] D. Fotakis, L. Kavouras and L. Zakyntinou. Online Facility Location in Evolving Metrics. *Algorithms* **14**(3): 73, MDPI 2021.
- [J37] D. Fotakis, D. Kalimeris and T. Lianeas. Improving Selfish Routing for Risk-Averse Players. *Theory of Computing Systems* **64**(2): 339-370, Springer 2020.
- [J36] D. Fotakis, I. Milis, O. Papadigenopoulos, V. Vassalos and G. Zois. Scheduling MapReduce Jobs on Identical and Unrelated Processors. *Theory of Computing Systems* **64**(5): 754-782, Springer 2020.
- [J35] M. Epitropou, D. Fotakis, M. Hoefer and S. Skoulakis. Opinion Formation Games with Aggregation and Negative Influence. *Theory of Computing Systems* **63**(7): 1531-1553, *Special Issue on SAGT 2017, invited paper*, Springer 2019.
- [J34] D. Fotakis, P. Krysta and C. Ventre. The Power of Verification for Greedy Mechanism Design. *Journal of Artificial Intelligence Research* **62**: 459-488, 2018.
- [J33] D. Fotakis, A. Kaporis, T. Lianeas, and P. Spirakis. Resolving Braess's Paradox in Random Networks. *Algorithmica* **78**(3): 788-818. Springer, 2017.
- [J32] D. Fotakis, P. Krysta, and C. Ventre. Combinatorial Auctions without Money. *Algorithmica* **77**(3): 756-785, Springer, 2017.
- [J31] D. Fotakis, D. Tspiras, C. Tzamos and E. Zampetakis. Efficient Money Burning in General Domains. *Theory of Computing Systems* **59**(4): 619-640, *Special Issue on SAGT 2014 and SAGT 2015, invited paper*, Springer, 2016.
- [J30] D. Fotakis and E. Zampetakis. Truthfulness Flooded Domains and the Power of Verification for Mechanism Design. *ACM Transactions on Economics and Computation, Special Issue on WINE 2013, invited paper*, **3**(4): art. 20, pages 29, ACM Press, 2015.
- [J29] D. Fotakis and C. Tzamos. Strategy-Proof Facility Location for Concave Cost Functions. *Algorithmica* **76**(1): 143-16, Springer, 2016.

- [J28] F. Afrati, D. Fotakis, and A. Vasilakopoulos. Efficient Lineage for SUM Aggregate Queries. *AI Communications* **28**(4): 655-663, IOS Press, 2015.
- [J27] D. Fotakis and P. Siminelakis. On the Efficiency of Influence-and-Exploit Strategies for Revenue Maximization under Positive Externalities. *Theoretical Computer Science* **539**: 68-86, Elsevier, 2014.
- [J26] D. Fotakis and C. Tzamos. On the Power of Deterministic Mechanisms for Facility Location Games. *ACM Transactions on Economics and Computation* **2**(4): art. 15, pages 37, ACM Press, 2014.
- [J25] D. Fotakis, A.C. Kaporis, T. Lianeas, and P.G. Spirakis. On the Hardness of Network Design for Bottleneck Routing Games. *Theoretical Computer Science* **521**: 107-122, Elsevier, 2014.
- [J24] D. Fotakis and P. Koutris. Online Sum-Radii Clustering. *Theoretical Computer Science* **540**: 27-39, Elsevier, 2014.
- [J23] D. Fotakis and C. Tzamos. Winner-Imposing Strategyproof Mechanisms for Multiple Facility Location Games. *Theoretical Computer Science* **472**: 90-103, Elsevier, 2013.
- [J22] D. Fotakis, A. Kaporis, and P. Spirakis. Efficient Methods for Selfish Network Design. *Theoretical Computer Science* **448**: 9-20, Elsevier, 2012.
- [J21] D. Fotakis. Memoryless Facility Location in One Pass. *ACM Transactions on Algorithms* **7**(4): 49, 2011.
- [J20] D. Fotakis, V. Gkatzelis, A. Kaporis, and P. Spirakis. The Impact of Social Ignorance on Weighted Congestion Games. *Theory of Computing Systems* **50**(3): 559-578, Springer, 2012.
- [J19] D. Fotakis. Congestion Games with Linearly Independent Paths: Convergence Time and Price of Anarchy. *Theory of Computing Systems* **47**(1): 113-136, *Special Issue on SAGT 2008, invited paper*, Springer, 2010.
- [J18] D. Fotakis, A. Kaporis, and P. Spirakis. Atomic Congestion Games: Fast, Myopic, and Concurrent. *Theory of Computing Systems* **47**(1): 38-59, *Special Issue on SAGT 2008, invited paper*, Springer, 2010.
- [J17] D. Fotakis. Stackelberg Strategies for Atomic Congestion Games. *Theory of Computing Systems* **47**(1): 218-249, Springer, 2010.
- [J16] D. Fotakis, S. Kontogiannis, E. Koutsoupias, M. Mavronicolas, P. Spirakis. The Structure and Complexity of Nash Equilibria for a Selfish Routing Game. *Theoretical Computer Science* **410**(36): 3305-3326, Elsevier, 2009.
- [J15] D. Fotakis and P. Spirakis. Cost-Balancing Tolls for Atomic Network Congestion Games. *Journal of Internet Mathematics* **5**(4): 343-363, *Special Issue on WINE 2007, invited paper*, A.K. Peters, 2008.
- [J14] D. Fotakis, S. Kontogiannis, P. Spirakis. Atomic Congestion Games among Coalitions. *ACM Transactions on Algorithms* **4**(4): art. 52, 27 pages, 2008.
- [J13] D. Fotakis. On the Competitive Ratio for Online Facility Location. *Algorithmica* **50**(1): 1-57, Springer, 2008.
- [J12] D. Fotakis. Incremental Algorithms for Facility Location and k -Median. *Theoretical Computer Science* **361** (2-3): 275-313, *Special Issue on Approximation and Online Algorithms*, Elsevier, 2006.
- [J11] D. Fotakis. A Primal-Dual Algorithm for Online Non-Uniform Facility Location. *Journal of Discrete Algorithms* **5**: 141-148, Elsevier, 2007.
- [J10] D. Fotakis, S. Nikolettseas, V. Papadopoulou, and P. Spirakis. Radiocolorings in Periodic Planar Graphs: PSPACE-Completeness and Efficient Approximations for the Optimal Range of Frequencies. *Journal of Discrete Algorithms* **4**(3): 433-454, Elsevier, 2006.
- [J9] D. Fotakis, S. Kontogiannis, and P. Spirakis. Selfish Unsplittable Flows. *Theoretical Computer Science* **348**: 226-239, *Special Issue on ICALP 2004, invited paper*, Elsevier, 2005.
- [J8] D. Fotakis, S. Nikolettseas, V. Papadopoulou, and P. Spirakis. Radiocoloring in Planar Graphs: Complexity and Approximations. *Theoretical Computer Science* **340**: 514-538, *Special Issue on MFCS 2000, invited paper*, Elsevier, 2005.
- [J7] D. Fotakis, R. Pagh, P. Sanders, and P. Spirakis. Space Efficient Hash Tables with Worst-Case Constant Access Time. *Theory of Computing Systems* **38**: 229-248, *Special Issue on STACS 2003, invited paper*, Springer, 2005.
- [J6] D. Fotakis and P. Spirakis. Minimum Congestion Redundant Assignments to Tolerate Random Faults. *Algorithmica* **32**: 396-422, Springer, 2002.
- [J5] D. Fotakis, S. Nikolettseas, V. Papadopoulou, and P. Spirakis. Hardness Results and Efficient Approximations for Frequency Assignment Problems: Radio Labelling and Radio Coloring. *Computing and Informatics* **20**: 121-180, 2001.

HEURISTICS

- [J4] D. Fotakis and S. Gritzalis. Efficient Heuristic Algorithms for Correcting the Cascade Vulnerability Problem for Interconnected Networks. *Computer Communications* **29**, pp. 2109-2122, Elsevier, 2006.
- [J3] S. Likothanassis, G. Beligiannis, D. Fotakis, D. Fragoudis, and K. Giotopoulos. An Evolutionary Computation Technique for User Profile Optimization. *International Journal of Computers and Their Applications* **10**(1), pp. 25-33, 2002.
- [J2] S. Katsikas, S. Likothanassis, G. Beligiannis, K. Berketis and D. Fotakis. Genetically Determined Variable Structure Multiple Model Estimation. *IEEE Transactions on Signal Processing* **49**(10), pp. 2253-2261, 2001.

APPLICATIONS OF COMPUTER SCIENCE

- [J1] S. Dimos, E. Evangelatou, D. Fotakis, A. Mantis and A. Mathioudaki. On the impacts of allowance banking and the financial sector on the EU Emissions Trading System. *Euro-Mediterranean Journal for Environmental Integration* **5**(2): 1-25, Springer, 2020.
- [J0] C. Bouras, D. Fotakis, V. Kapoulas, S. Kontogiannis, P. Lampsas and A. Tatakis. Using Multimedia / Hypermedia Tools over Networks for Distance Education and Training. *Journal of Educational Technology Review* **7**, pp. 20-26, 1997.

Chapters in Books

- [H5] M.I. Andreou, D. Fotakis, V. Papadopoulou-Lesta, S.E. Nikolettseas and Paul G. Spirakis. On Radiocoloring Hierarchically Specified Planar Graphs: PSPACE-completeness and Approximations. *Algorithms, Probability, Networks, and Games: Scientific Papers and Essays Dedicated to Paul G. Spirakis on the Occasion of His 60th Birthday*. LNCS 9295: 97-132, Springer, 2015.
- [H4] D. Fotakis, S. Kontogiannis, P. Panagopoulou, C. Raptopoulos, P. Spirakis. Algorithmic Issues in Coalitional and Dynamic Network Games. *F. Meyer auf der Heide and B. Monien (eds.), New Trends in Parallel and Distributed Computing*, HNI-Verlagsschriftenreihe **181**, pp. 25-42, Heinz Nixdorf Institut, Universität Paderborn, 2006.
- [H3] D. Fotakis and P. Spirakis. Assignment of Reusable and Non-Reusable Frequencies. *P.M. Pardalos, A. Migdalas, and R. Burkard (eds.), Combinatorial and Global Optimization*, pp. 75-93, World Scientific, 2001.
- [H2] D. Fotakis and P. Spirakis. Machine Partitioning and Scheduling under Fault-Tolerance Constraints. *P.M. Pardalos (ed.), Approximation and Complexity in Numerical Optimization: Continuous and Discrete Problems*, Non-Convex Optimization and its Applications **42**, pp. 209-244, Kluwer, 2000.
- [H1] D. Fotakis, G. Pantziou, G. Pentaris, and P. Spirakis. Frequency Assignment in Mobile and Radio Networks. *M. Mavronicolas, M. Merritt, and N. Shavit (eds.), Networks in Distributed Computing*, DIMACS Series in Discrete Mathematics and Theoretical Computer Science **45**, pp. 73-90, American Mathematical Society, 1999.

Surveys

- [E5] D. Fotakis. A Selective Tour through Congestion Games. *Algorithms, Probability, Networks, and Games: Scientific Papers and Essays Dedicated to Paul G. Spirakis on the Occasion of His 60th Birthday*. LNCS 9295: 223-241, Springer, 2015.
- [E4] D. Fotakis and C. Tzamos. Strategyproof facility location with concave costs. *SIGecom Exchanges* **12**(2): 46-49, 2013.
- [E3] D. Fotakis. Online and Incremental Algorithms for Facility Location. *SIGACT News* **42**(1): 97-131, *Online Algorithms Column 18*, 2011.
- [E2] D. Fotakis and P. Spirakis. Minimum Congestion Redundant Assignments: Complexity and Efficiency. *Ming-Yang Kao (ed.), Encyclopedia of Algorithms*, 5 pages, Springer, 2007.
- [E1] D. Fotakis, S. Nikolettseas, V. Papadopoulou, P. Spirakis. Hardness Results and Efficient Approximations for Frequency Assignment Problems and the Radio Coloring Problem. *Bulletin of the EATCS* **75**, pp. 152-181, 2001.

Editor of Conference Proceedings

- [P3] D. Fotakis, D. Ríos Insua. Proceedings of the 7th International Conference on Algorithmic Decision Theory (ADT 2021), Toulouse, France, November 3 – 5, 2021. *Lecture Notes in Computer Science* 13023, Springer 2021.

- [P2] D. Fotakis and E. Markakis. Proceedings of the 12th International Symposium on Algorithmic Game Theory (SAGT 2019), Athens, Greece, September 30 – October 3, 2019. *Lecture Notes in Computer Science* 11801, Springer 2019.
- [P1] D. Fotakis, A. Pagourtzis and V.Th. Paschos. Proceedings of the 10th International Conference on Algorithms and Complexity (CIAC 2017), Athens, Greece, May 24-26, 2017. *Lecture Notes in Computer Science* 10236, Springer, 2017.

Conferences

THEORETICAL COMPUTER SCIENCE

- [C87] R. Busa-Fekete, D. Fotakis, and M. Zampetakis. Private and Non-Private Uniformity Testing for Ranking Data. *Proc. of the 35th Annual Conference on Neural Information Processing Systems – NeurIPS 2021, Advances in Neural Information Processing Systems*, 2021.
- [C86] R. Busa-Fekete, D. Fotakis, B. Szörényi and M. Zampetakis. Identity testing for Mallows model. *Proc. of the 35th Annual Conference on Neural Information Processing Systems – NeurIPS 2021, Advances in Neural Information Processing Systems*, 2021.
- [C85] D. Fotakis, G. Piliouras and S. Skoulakis. Efficient Online Learning for Dynamic k -Clustering. *Proc. of the 38th International Conference on Machine Learning – ICML 2021*, Proceedings of Machine Learning Research 139: 3396-3406, 2021.
- [C84] D. Fotakis and P. Patsilinakos. Strategyproof Facility Location in Perturbation Stable Instances. *Proc. of the 17th International Conference on Internet and Network Economics – WINE 2021*, LNCS 13112: 95-112, Springer, 2021.
- [C83] I. Anagnostides, D. Fotakis and P. Patsilinakos. Metric-Distortion Bounds Under Limited Information. *Proc. of the 14th International Symposium on Algorithmic Game Theory – SAGT 2021*, LNCS 12885: 299-313, Springer, 2021.
- [C82] D. Fotakis, P. Kostopanagiotis, V. Nakos, G. Piliouras and S. Skoulakis. On the Approximability of Multistage Min-Sum Set Cover. *Proc. of the 48th International Colloquium on Automata, Languages, and Programming – ICALP 2021, Track A*, LIPIcs 198, 65:1-65:19, 2021.
- [C81] D. Fotakis, A. Kalavasis, V. Kontonis and C. Tzamos. Efficient Algorithms for Learning from Coarse Labels. *Proc. of the 34th Conference on Learning Theory – COLT 2021*, Proceedings of Machine Learning Research 134: 2060-2079, 2021.
- [C80] D. Fotakis, A. Kalavasis and K. Stavropoulos. Aggregating Incomplete and Noisy Rankings. *Proc. of the 24th International Conference on Artificial Intelligence and Statistics – AISTATS 2021*, Proceedings of Machine Learning Research 130: 2278-2286, 2021.
- [C79] D. Fotakis, P. Krysta and C. Ventre. Efficient Truthful Scheduling and Resource Allocation through Monitoring. *Proc. of the 35th AAAI Conference on Artificial Intelligence – AAAI 2021*, 5423-5431, 2021.
- [C78] D. Fotakis, T. Pittas and S. Skoulakis. Estimating the Number of Induced Subgraphs from Incomplete Data and Neighborhood Queries. *Proc. of the 35th AAAI Conference on Artificial Intelligence – AAAI 2021*, 4045-4053, 2021.
- [C77] D. Fotakis, A. Kalavasis and C. Tzamos. Efficient Parameter Estimation of Truncated Boolean Product Distributions. *Proc. of the 33rd Conference on Learning Theory – COLT 2020*, Proceedings of Machine Learning Research 125: 1586-1600, 2020.
- [C76] D. Fotakis, L. Gourvès, S. Kasouridis and A. Pagourtzis. Object Allocation and Positive Graph Externalities. *Proc. of the 24th European Conference on Artificial Intelligence – ECAI 2020*, 107-114, 2020.
- [C75] D. Fotakis, A.V. Kandiros, T. Lianeas, N. Mouzakis, P. Patsilinakos and S. Skoulakis. Node-Max-Cut and the Complexity of Equilibrium in Linear Weighted Congestion Games. *Proc. of the 47th International Colloquium on Automata, Languages, and Programming – ICALP 2020, Track A*, LIPIcs 168, 50:1-50:19, 2020.
- [C74] D. Fotakis, L. Kavouras, G. Koumoutsos, S. Skoulakis and M. Vardas. The Online Min-Sum Set Cover Problem. *Proc. of the 47th International Colloquium on Automata, Languages, and Programming – ICALP 2020, Track A*, LIPIcs 168, 51:1-51:16, 2020.
- [C73] D. Fotakis, T. Lianeas, G. Piliouras and S. Skoulakis. Efficient Online Learning of Optimal Rankings: Dimensionality Reduction via Gradient Descent. *Proc. of the 34th Annual Conference on Neural Information Processing Systems – NeurIPS 2020, Advances in Neural Information Processing Systems* 33, 2020
- [C72] I. Anagnostides, D. Fotakis and P. Patsilinakos. Asymptotically Optimal Communication in Simple Mechanisms. *Proc. of the 13th International Symposium on Algorithmic Game Theory – SAGT 2020*, LNCS 12283: 17-31, Springer, 2020.

- [C71] G. Fikioris and D. Fotakis. Mechanism Design for Perturbation Stable Combinatorial Auctions. *Proc. of the 13th International Symposium on Algorithmic Game Theory – SAGT 2020*, LNCS 12283: 47-63, Springer, 2020.
- [C70] D. Christou, D. Fotakis and G. Koumoutsos. Memoryless Algorithms for the Generalized k -Server Problem on Uniform Metrics. *Proc. of the 18th Workshop on Approximation and Online Algorithms – WAOA 2020*, LNCS 12806: 143-158, Springer, 2020.
- [C69] R. Busa-Fekete, D. Fotakis, B. Szörényi and M. Zampetakis. Optimal Learning of Mallows Block Model. *Proc. of the 32nd Conference on Learning Theory – COLT 2019*, Proceedings of Machine Learning Research 99: 529-53, 2019.
- [C68] D. Fotakis, J. Matuschke and O. Papadigenopoulos. Malleable Scheduling Beyond Identical Machines. *Proc. of the 22nd International Conference on Approximation Algorithms for Combinatorial Optimization Problems – APPROX 2019*, LIPIcs 145, 17:1-17:14, 2019.
- [C67] D. Fotakis, K. Lotidis and C. Podimata. A Bridge between Liquid and Social Welfare in Combinatorial Auctions with Submodular Bidders. *Proc. of the 33rd AAI Conference on Artificial Intelligence – AAI 2019*, 1949-1956, 2019.
- [C66] D. Fotakis, L. Kavouras, P. Kostopanagiotis, P. Lazos, S. Skoulakis and N. Zarifis. Reallocating Multiple Facilities on the Line. *Proc. of the 29th International Joint Conference on Artificial Intelligence – IJCAI 2019*, 273-279, 2019.
- [C65] K. Ameranis, N. Vathis and D. Fotakis. Minimum and Maximum Category Constraints in the Orienteering Problem with Time Windows. *Proc. of the Special Event on the Analysis of Experimental Algorithms – SEA² 2019*, LNCS 11544: 343-358, Springer, 2019.
- [C64] D. Fotakis, L. Gourvès, C. Mathieu and Abhinav Srivastav. Covering Clients with Types and Budgets. *Proc. of the 29th International Symposium on Algorithms and Computation – ISAAC 2018*, LIPIcs 123, 73:1-73:12, 2018.
- [C63] D. Fotakis, V. Kandiros, V. Kontonis and S. Skoulakis. Opinion Dynamics with Limited Information. *Proc. of the 14th International Conference on Internet and Network Economics – WINE 2018*, LNCS 11316: 282-296, 2018.
- [C62] M. Epitropou, D. Fotakis, M. Hoefer, S. Skoulakis. Opinion Formation Games with Aggregation and Negative Influence. *Proc. of the 9th International Symposium on Algorithmic Game Theory – SAGT 2017*, LNCS 10504: 173-185, Springer, 2017.
- [C61] D. Fotakis, L. Gourvès and J. Monnot. Conference Program Design with Single-Peaked and Single-Crossing Preferences. *Proc. of the 12th International Conference on Internet and Network Economics – WINE 2016*, LNCS 10123: 221-235, Springer, 2016.
- [C60] D. Fotakis, L. Gourvès and J. Monnot. Selfish Transportation Games. *Proc. of the 43rd International Conference on Current Trends in Theory and Practice of Computer Science – SOFSEM 2017*, LNCS 10139: 176-187, Springer 2017.
- [C59] D. Fotakis, C. Tzamos and E. Zampetakis. Mechanism Design with Selective Verification. *Proc. of the 17th ACM Conference on Electronic Commerce – EC 2016*, pp. 771-788, ACM, 2016.
- [C58] K. Axiotis and D. Fotakis. On the Size and the Approximability of Minimum Temporally Connected Subgraphs. *Proc. of the 43rd International Colloquium on Automata, Languages, and Programming – ICALP 2016, Track C*, LIPIcs 55, 149:1-149:14, 2016.
- [C57] D. Fotakis, D. Palyvos-Giannas and S. Skoulakis. Opinion Dynamics with Local Interactions. *Proc. of the 25th International Joint Conference on Artificial Intelligence – IJCAI 2016*, 279-285, 2016.
- [C56] D. Fotakis, I. Milis, O. Papadigenopoulos, V. Vassalos, G. Zois. Scheduling MapReduce Jobs under Multi-Round Precedences. *Proc. of the 22nd European Conference on Parallel and Distributed Computing – EuroPar 2016*, LNCS 9833: 209-222, Springer, 2016.
- [C55] D. Fotakis, M. Lampis and V.Th. Paschos. Sub-exponential Approximation Schemes for CSPs: from Dense to Almost Sparse. *Proc. of the 33rd Symposium on Theoretical Aspects of Computer Science – STACS 2016*, LIPIcs 47, 37:1-37:14, 2016.
- [C54] D. Fotakis, D. Kalimeris and T. Lianas. Improving Selfish Routing for Risk-Averse Players. *Proc. of the 11th International Conference on Internet and Network Economics – WINE 2015*, LNCS 9470: 328-342, Springer, 2015.
- [C53] D. Fotakis, D. Tsipras, C. Tzamos and E. Zampetakis. Efficient Money Burning in General Domains. *Proc. of the 7th International Symposium on Algorithmic Game Theory – SAGT 2015*, LNCS 9347: 85-97, Springer, 2015.

- [C52] D. Fotakis, I. Milis, O. Papadigenopoulos, E. Zampetakis and G. Zois. Scheduling MapReduce jobs and data shuffle on unrelated processors. *Proc. of the 14th International Symposium on Experimental Algorithms – SEA 2015*, LNCS 9125: 137-150, Springer, 2015.
- [C51] D. Fotakis, P. Krysta, and C. Ventre. The Power of Verification for Greedy Mechanism Design. *Proc. of the 14th International Conference on Autonomous Agents and Multiagent Systems – AAMAS 2015*, pp. 307-315, 2015.
- [C50] D. Fotakis, T. Lykouris, E. Markakis and S. Obraztsova. Influence Maximization in Switching-Selection Threshold Models. *Proc. of the 7th International Symposium on Algorithmic Game Theory – SAGT 2014*, LNCS 8768: 122-133, Springer, 2014.
- [C49] D. Fotakis, P. Krysta, and C. Ventre. Combinatorial Auctions without Money. *Proc. of the 13th International Conference on Autonomous Agents and Multiagent Systems – AAMAS 2014*, pp. 1019-1036, 2014.
- [C48] D. Fotakis, I. Milis, E. Zampetakis, and G. Zois. Scheduling MapReduce Jobs on Unrelated Processors. *Proc. of the Joint Conference EDBT/ICDT 2014 Workshops: 2 – 5*, 2014.
- [C47] D. Fotakis and E. Zampetakis. Truthfulness Flooded Domains and the Power of Verification for Mechanism Design. *Proc. of the 9th International Workshop on Internet and Network Economics – WINE 2013*, LNCS 8289: 200-213, Springer, 2013.
- [C46] D. Fotakis, A. Kaporis, T. Lianeas, and P. Spirakis. Resolving Braess's Paradox in Random Networks. *Proc. of the 9th International Workshop on Internet and Network Economics – WINE 2013*, LNCS 8289: 186-199, Springer, 2013.
- [C45] H. Angelidakis, D. Fotakis, and T. Lianeas. Stochastic Congestion Games with Risk-Averse Players. *Proc. of the 6th International Symposium on Algorithmic Game Theory – SAGT 2013*, LNCS 8146: 87-98, Springer, 2013.
- [C44] D. Fotakis and C. Tzamos. On the Power of Deterministic Mechanisms for Facility Location Games. *Proc. of the 40th International Colloquium on Automata, Languages, and Programming – ICALP 2013*, Part I, LNCS 7965: 449-460, Springer, 2013.
- [C43] D. Fotakis and C. Tzamos. Strategyproof Facility Location for Concave Cost Functions. *Proc. of the 14th ACM Conference on Electronic Commerce – EC 2013*: 435-452, ACM, 2013.
- [C42] F.N. Afrati, D. Fotakis, and J.D. Ullman. Enumerating Subgraph Instances Using Map-Reduce. *Proc. of the 29th IEEE International Conference on Data Engineering – ICDE 2013*: 62-73, IEEE, 2013.
- [C41] D. Fotakis and P. Siminelakis. On the Efficiency of Influence-and-Exploit Strategies for Revenue Maximization under Positive Externalities. *Proc. of the 8th International Workshop on Internet and Network Economics – WINE 2012*, LNCS 7695: 271-284, Springer, 2012.
- [C40] D. Fotakis, A.C. Kaporis, T. Lianeas, P.G. Spirakis. On the Hardness of Network Design for Bottleneck Routing Games. *Proc. of the 5th International Symposium on Algorithmic Game Theory – SAGT 2012*, LNCS 7615: 156–167, Springer, 2012.
- [C39] D. Fotakis and P. Koutris. Online Sum-Radii Clustering. *Proc. of the 37th International Symposium on Mathematical Foundations of Computer Science – MFCS 2012*, LNCS 7464: 395–406, Springer, 2012.
- [C38] D. Fotakis, P. Krysta, and O. Telelis. Externalities among Advertisers in Sponsored Search. *Proc. of the 4th International Symposium on Algorithmic Game Theory – SAGT 2011*, LNCS 6982: 105-116, Springer, 2011.
- [C37] D. Fotakis and C. Tzamos. Winner-Imposing Strategyproof Mechanisms for Multiple Facility Location Games. *Proc. of the 6th International Workshop on Internet and Network Economics – WINE 2010*, LNCS 6484: 234-245, Springer, 2010.
- [C36] D. Fotakis, G. Karakostas, and S.G. Kolliopoulos. On the Existence of Optimal Taxes for Network Congestion Games with Heterogeneous Users. *Proc. of the 3rd International Symposium on Algorithmic Game Theory – SAGT 2010*, LNCS 6836: 162-173, Springer, 2010.
- [C35] D. Fotakis, V. Gkatzelis, A. Kaporis, and P. Spirakis. The Impact of Social Ignorance on Weighted Congestion Games. *Proc. of the 5th International Workshop on Internet and Network Economics – WINE 2009*, LNCS 5929: 316-327, Springer, 2009.
- [C34] D. Fotakis, A. Kaporis, and P. Spirakis. Efficient Methods for Selfish Network Design. *Proc. of the 36th International Colloquium on Automata, Languages, and Programming – ICALP 2009*, Part II, LNCS 5556: 459-471, Springer, 2009.
- [C33] D. Fotakis. Congestion Games with Linearly Independent Paths: Convergence Time and Price of Anarchy. *Proc. of the 1st International Symposium on Algorithmic Game Theory – SAGT 2008*, LNCS 4997, pp. 33-45, Springer, 2008.

- [C32] D. Fotakis, A. Kaporis, and P. Spirakis. Atomic Congestion Games: Fast, Myopic, and Concurrent. *Proc. of the 1st International Symposium on Algorithmic Game Theory – SAGT 2008*, LNCS 4997, pp. 121-132, Springer, 2008.
- [C31] D. Fotakis and P. Spirakis. Cost-Balancing Tolls for Atomic Network Congestion Games. *Proc. of the 3rd International Workshop on Internet and Network Economics – WINE 2007*, LNCS 4858, pp. 179-190, Springer, 2007.
- [C30] D. Fotakis. Stackelberg Strategies for Atomic Congestion Games. *Proc. of the 15th European Symposium on Algorithms – ESA 2007*, LNCS 4698, pp. 299-310, Springer, 2007.
- [C29] D. Fotakis, S. Kontogiannis, and P. Spirakis. Atomic Congestion Games among Coalitions. *Proc. of the 33rd International Colloquium on Automata, Languages, and Programming – ICALP 2006*, LNCS 4051, pp. 573-584, Springer, 2006.
- [C28] D. Fotakis. Memoryless Facility Location in One Pass. *Proc. of the 23rd Symposium on Theoretical Aspects of Computer Science – STACS 2006*, LNCS 3884, pp. 608-620, Springer, 2006.
- [C27] D. Fotakis, S. Kontogiannis, and P. Spirakis. Symmetry in Network Congestion Games: Pure Equilibria and Anarchy Cost. *Proc. of the 3rd Workshop on Approximation and Online Algorithms – WAOA 2005*, LNCS 3879, pp. 161-175, Springer, 2006.
- [C26] D. Fotakis. A Primal-Dual Algorithm for Online Non-Uniform Facility Location. *Proc. of the 10th Panhellenic Conference on Informatics – PCI 2005*, LNCS 3746, pp. 47-56, Springer, 2005.
- [C25] D. Fotakis. Incremental Algorithms for Facility Location and k -Median. *Proc. of the 12th European Symposium on Algorithms – ESA 2004*, LNCS 3221, pp. 347-358, Springer, 2004.
- [C24] D. Fotakis, S. Kontogiannis, and P. Spirakis. Selfish Unsplittable Flows. *Proc. of the 31st International Colloquium on Automata, Languages, and Programming – ICALP 2004*, LNCS 3142, pp. 593-605, Springer, 2004.
- [C23] D. Fotakis. On the Competitive Ratio for Online Facility Location. *Proc. of the 30th International Colloquium on Automata, Languages, and Programming – ICALP 2003*, LNCS 2719, pp. 637-652, Springer, 2003.
- [C22] D. Fotakis, R. Pagh, P. Sanders, and P. Spirakis. Space Efficient Hash Tables with Worst-Case Constant Access Time. *Proc. of the 20th Symposium on Theoretical Aspects of Computer Science – STACS 2003*, LNCS 2607, pp. 271-282, Springer, 2003.
- [C21] D. Fotakis, S. Kontogiannis, E. Koutsoupias, M. Mavronicolas, and P. Spirakis. The Structure and Complexity of Nash Equilibria for a Selfish Routing Game. *Proc. of the 29th International Colloquium on Automata, Languages, and Programming – ICALP 2002*, LNCS 2380, pp. 123-134, Springer, 2002.
- [C20] M. Andreou, D. Fotakis, S. Nikolettseas, V. Papadopoulou, and P. Spirakis. On Radiocoloring Hierarchically Specified Planar Graphs: PSPACE-Completeness and Approximations. *Proc. of the 27th International Symposium on Mathematical Foundations of Computer Science – MFCS 2002*, LNCS 2420, pp. 81-92, Springer, 2002.
- [C19] D. Fotakis, S. Nikolettseas, V. Papadopoulou, and P. Spirakis. Radiocolorings in Periodic Planar Graphs: PSPACE-Completeness and Efficient Approximations for the Optimal Range of Frequencies. *Proc. of the 28th International Workshop on Graph Theoretic Concepts in Computer Science – WG 2002*, LNCS 2573, pp. 223-234, Springer, 2002.
- [C18] D. Fotakis, S. Nikolettseas, V. Papadopoulou, and P. Spirakis. NP-Completeness Results and Efficient Approximations for Radio Coloring in Planar Graphs. *Proc. of the 25th International Symposium on Mathematical Foundations of Computer Science – MFCS 2000*, LNCS 1893, pp. 363-372, Springer, 2000.
- [C17] D. Fotakis and P. Spirakis. Efficient Redundant Assignments under Fault-Tolerance Constraints. *Proc. of the 2nd International Workshop on Approximation Algorithms for Combinatorial Optimization Problems – APPROX 1999*, LNCS 1671, pp. 156-167, Springer, 1999.
- [C16] D. Fotakis and P. Spirakis. An Upper Bound on Redundant Assignment Reliability. *Proc. of the Conference “Paul Erdős and His Mathematics”*, pp. 69-73, János Bolyai Mathematical Society, 1999.
- [C15] D. Fotakis and P. Spirakis. A Hamiltonian Approach to the Assignment of Non-Reusable Frequencies. *Proc. of the 18th Conference on Foundations of Software Technology and Theoretical Computer Science – FST&TCS 1998*, LNCS 1530, pp. 18-29, Springer, 1998.
- [C14] D. Fotakis and P. Spirakis. $(\text{poly}(\log \log n), \text{poly}(\log \log n))$ -Restricted Verifiers are Unlikely to Exist for Languages in NP. *Proc. of the 21st International Symposium on Mathematical Foundations of Computer Science – MFCS '96*, LNCS 1113, pp. 360-371, Springer, 1996.

HEURISTICS

- [C13] C.N. Moschopoulos, P. Tsiatsis, G.N. Beligiannis, D. Fotakis, and S.D. Likothanassis. Dealing with Large Datasets Using an Artificial Intelligence Clustering Tool. *Tools and Applications with Artificial Intelligence 2009*, Studies in Computational Intelligence 166: 105 – 129, Springer, 2009.
- [C12] D. Fotakis, S. Likothanassis, and S. Stefanakos. An Evolutionary Annealing Approach to Graph Coloring. *Evolutionary Computation in Combinatorial Optimization – EvoCOP 2001*, LNCS 2037, pp. 120-129, Springer, 2001.
- [C11] S. Likothanassis, G. Beligiannis, D. Fotakis, D. Fragoudis, and K. Giotopoulos. An Evolutionary Computation Technique For User Profile Optimization. *Information Reuse and Integration – IRI 2001*, pp. 24-29, 2001.
- [C10] G.N. Beligiannis, K.G. Berketis, D. Fotakis and S.D. Likothanassis. Evolutionary Multimodel Partitioning Filters for Multivariable Systems. *European Signal Processing – EUSIPCO 1998*, pp. 2149-2152, 1998.
- [C9] S. Likothanassis, E. Georgopoulos, and D. Fotakis. Optimizing the Structure of Neural Networks Using Evolution Techniques. *Applications of High Performance Computers in Engineering*, pp. 157-168, 1997.

COMPUTER NETWORKS – OPEN AND DISTANCE LEARNING

- [C8] A. Tsiourvas, C. Bitsakos, I. Konstantinou, D. Fotakis and N. Koziris. A Mechanism Design and Learning Approach for Revenue Maximization on Cloud Dynamic Spot Markets. *Proc. of the 14th IEEE International Conference on Cloud Computing - CLOUD 2021*, 427-432, 2021.
- [C7] C. Bouras, D. Fotakis, V. Kapoulas, A. Koubek, H. Mayer, and H. Rehatscheck. Virtual European School – VES. *IEEE Multimedia Systems 1999, European Projects*, pp. 1055-1057, 1999.
- [C6] C. Bouras, D. Fotakis, and A. Philopoulos. A Distributed Virtual Learning Center in Cyberspace. *Virtual Systems and Multimedia 1998*, pp. 410-415, 1998.
- [C5] C. Bouras, D. Fotakis, A. Katanou, A. Konidaris, S. Kontogiannis, A. Sevasti, and E. Stephanou. Major Principles on the Design of an Educational Network. *Open Classroom 1997*, pp. 359-366, 1997.
- [C4] C. Bouras, D. Fotakis, V. Kapoulas, S. Kontogiannis, K. Kyriakou, P. Lampsas, P. Spirakis, and A. Tatakis. Interactive Environment for Cooperative Teleworking - Telemathea. *Educational Multimedia and Hypermedia – ED-MEDIA 1996*, pp. 37-42, 1996.
- [C3] P. Balaouras, C. Bouras, L. Chadellis, D. Fotakis, V. Kapoulas, N. Pallikarakis, R. Sandaltzopoulos, P. Spirakis, and A. Tatakis. FINE: Implementation of a Distributed Communication and Working Environment for Clinical Engineers. *Concurrent Engineering and Electronic Design Automation – CEE 1996*, pp. 56-60, 1996.
- [C2] C. Bouras, D. Fotakis, V. Kapoulas, P. Lampsas, G. Papoutsopoulos, P. Spirakis, and A. Tatakis. Hippocrates: A Multimedia Tool for Distance Education. *Educational Multimedia and Hypermedia – ED-MEDIA 1995*, pp. 103-108, 1995.
- [C1] C. Bouras, D. Fotakis, V. Kapoulas, S. Kontogiannis, P. Lampsas, P. Spirakis, and A. Tatakis. Multilingual Implementations of OSI Applications. *Computer and Information Sciences – ISCIS 1995*, pp. 367-374, 1995.

Technical Reports

- [T2] D. Fotakis and P. Spirakis. Random Walks, Conditional Hitting Sets, and Partial Derandomization. *Electronic Colloquium on Computational Complexity (ECCC)*, Technical Report 98-049, 1998.
- [T1] D. Fotakis and P. Spirakis. Graph Properties that Facilitate Travelling. *Electronic Colloquium on Computational Complexity (ECCC)*, Technical Report 98-031, 1998.

PROFESSIONAL MEMBERSHIP

Association for Computing Machinery (ACM), European Association for Theoretical Computer Science (EATCS), Technical Chamber of Greece.