

1. Information personnelle

Nom : Bampas
 Prénom : Evangelos
 Date de naissance : 18 avril 1981
 Lieu de naissance : Cholargos, Athènes, Grèce
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2. Titres Universitaires

OCTOBRE 2004 – OCTOBRE 2009 **Philosophiæ Doctor**
 Institut : School of Electrical and Computer Engineering, National Technical University of Athens, Greece
 Date de soutenance : 12 octobre 2009
 Titre de thèse : Routing and wavelength assignment in optical networks
 Directeur : Efstathios ZACHOS
 Jury : Timoleon SELLIS, Georgios KOLETOS, Aristeidis PAGOURTZIS, Elias KOUTSOUPIAS, Ioannis MILIS, Dimitrios FOTAKIS

SEPTEMBRE 1999 – OCTOBRE 2004 **Diplôme d'Ingénieur**
 Institut : School of Electrical and Computer Engineering, National Technical University of Athens, Greece
 Mémoire de diplôme : Algorithmic techniques in complexity theory, mémoire rédigé en grec
 Responsable : Efstathios ZACHOS

3. Intérêts scientifiques

Algorithmique distribuée agents mobiles, rendez-vous, exploration, tolérance aux pannes, énergie limitée, auto-stabilisation
 Réseaux de communication réseaux optiques, WDM, routage, affectation de longueur d'onde, modèles décentralisés et non coopératifs
 Calculabilité et complexité complexité de comptage, modèles de calculabilité pour agents mobiles

4. Bilan de publications

| | | |
|-----------------------------|----|---|
| Reuves internationales | 6 | (Algorithmica, JCSS, IEEE/ACM ToN, Networks, ...) |
| Conférences internationales | 16 | (DISC, LATIN, CIAC, ISAAC, SIROCCO, ...) |
| Conférences nationales | 2 | |
| Thèses | 2 | |

5. Activités professionnelles

- OCTOBRE 2015 – À CE JOUR **Chercheur postdoctoral**
 Laboratoire d'Informatique Fondamentale de Marseille (LIF), Aix-Marseille Université, France
 financement : Bourse postdoctorale du LabEx Archimède et projet ANR ANCOR
- AVRIL 2014 – SEPTEMBRE 2015 **Chercheur postdoctoral**
 Laboratoire Bordelais de Recherche en Informatique (LaBRI), Université de Bordeaux, France
 financement : ANR DISPLEXITY : *Distributed Computing: computability and complexity*
- AOÛT 2012 – MARS 2014 **Chercheur postdoctoral**
 School of Electrical and Computer Engineering, National Technical University of Athens, Greece
 financement : THALES ALGONOW : *Algorithms of today: Social networks, data streaming, resource allocation and power management in communication and computing systems*
- JANVIER 2012 – JUILLET 2012 **Chercheur postdoctoral**
 Laboratoire d'Informatique de Paris 6, Université Pierre et Marie Curie (Paris 6), France
 financement : ANR SPADES : *Servicing Petascale Architectures and Distributed Systems*
- MARS 2011 – NOVEMBRE 2011 **Ingénieur en logiciel**
 Centre de support informatique de l'armée de terre grecque, Grèce
 note : faisant partie du service militaire obligatoire
- NOVEMBRE 2009 – OCTOBRE 2010 **Chercheur postdoctoral**
 Laboratoire Bordelais de Recherche en Informatique, Université de Bordeaux, France
 financement : équipe-projet CEPAGE, INRIA Bordeaux-Sud-Ouest
- AVRIL 2009 – JUIN 2009 **Stage de recherche**
 Laboratoire Bordelais de Recherche en Informatique, Université de Bordeaux, France
 financement : équipe-projet CEPAGE, INRIA Bordeaux-Sud-Ouest

6. Enseignement

| Année | Sujet | CM (heures) | TD (heures) | TP (heures) | Effectif (étudiants) | Niveau | Institut* |
|-----------|--|----------------|----------------|----------------|-------------------------|--------|------------|
| 2016–2017 | Algorithmique distribuée | – | 8 | 6 | 15 | M1 | AMU |
| | Programmation | – | 20 | 20 | 27 | L1 | AMU |
| | Introduction informatique et programmation | – | – | 20 | 31 | L1 | AMU |
| 2014–2015 | Communication et routage | 3 | – | – | 21 | M2 | ENSEIRB |
| 2006–2007 | Programmation informatique | – | – | 26 | 20 | L1 | ECE, NTUA |
| 2005–2006 | Programmation informatique | – | – | 26 | 20 | L1 | ECE, NTUA |
| | Techniques de programmation | – | – | 26 | 20 | L1 | ECE, NTUA |
| | Algorithmes et complexité | – | 13 | – | ≈100 | M1 | AMPS, NTUA |
| 2004–2005 | Programmation informatique | – | – | 26 | 20 | L1 | ECE, NTUA |
| | Techniques de programmation | – | – | 26 | 20 | L1 | ECE, NTUA |
| 2003–2004 | Programmation informatique | – | – | 26 | 20 | L1 | ECE, NTUA |
| | Techniques de programmation | – | – | 26 | 20 | L1 | ECE, NTUA |

* *Explication des abréviations :*

ECE, NTUA : School of electrical and computer engineering, National Technical University of Athens, Greece

AMPS, NTUA : School of applied mathematics and physical sciences, National Technical University of Athens, Greece

ENSEIRB : École nationale supérieure d'électronique, informatique, télécommunications, mathématique et mécanique de Bordeaux, France (ENSEIRB-MATMECA)

AMU : Aix-Marseille Université

7. Projets de recherche

2012 – 2015 **DISPLEXITY**

Distributed Computing: computability and complexity

Agence Nationale de la Recherche (ANR), France

Participants : LaBRI, LIAFA, IRISA

2012 – 2015 **ALGONOW**

Algorithms of today: Social networks, data streaming, resource allocation and power management in communication and computing systems

Fonds social européen et ressources nationales grecques

Participants : National Technical University of Athens, National and Kapodistrian University of Athens, Athens University of Economics and Business

2008 – 2011 **SPADES**

Servicing Petascale Architectures and Distributed Systems

Agence Nationale de la Recherche (ANR), France

Participants : LIP-INRIA, CERFACS, CNRS-IN2P3 LAL, INRIA Saclay, LIG, CC-IN2P3, MIS-UPJV, MYRIADS-INRIA Rennes

2007 – 2011 **ALADDIN**

Algorithm Design and Analysis for Implicitly and Incompletely Defined Interaction Networks

Agence Nationale de la Recherche (ANR), France

Participants : LIAFA, LaBRI, CEPAGE-INRIA Bordeaux, GANG-INRIA Rocquencourt

2006 – 2008 **Optimization problems in computer and communication networks**

Theoretical foundations, design of efficient algorithms and development of experimental software

Secrétariat général pour la recherche et la technologie, Grèce

Participants : National Technical University of Athens, National and Kapodistrian University of Athens, Athens University of Economics and Business

8. Autres activités scientifiques

Rapporteur pour les revues internationales : Theory of Computing Systems, Ad Hoc Networks, Internet Mathematics, Theoretical Computer Science, Optical Switching and Networking, Distributed Computing, Information Processing Letters, Discrete Applied Mathematics, Journal of Computer and System Sciences, Fundamenta Informaticae.

Rapporteur pour les conférences internationales : Computability in Europe (CiE), Workshop on Approximation and Online Algorithms (WAOA), International Workshop on Graph-Theoretic Concepts in Computer Science (WG), Balkan Conference in Informatics (BCI), International Symposium on Mathematical Foundations of Computer Science (MFCS), ACM SIGACT/SIGMOBILE International Workshop on Foundations of Mobile Computing (DIALM-POMC), International Symposium on Theoretical Aspects of Computer Science (STACS), International Conference on Fun with Algorithms (FUN), International Colloquium on Structural Information and Communication Complexity (SIROCCO), Latin American Theoretical Informatics Symposium (LATIN), International Conference on Algorithms and Complexity (CIAC), ACM Symposium on Principles of Distributed Computing (PODC), International Symposium on Distributed Computing (DISC), International Workshop on Combinatorial Algorithms (IWOC), International Symposium on Algorithms and Experiments for Wireless Sensor Networks (ALGOSENSORS), International Conference on Principles of Distributed Systems (OPODIS), International Conference on Distributed Computing and Networking (ICDCN), International Colloquium on Automata, Languages, and Programming (ICALP).

Rapporteur pour la conférence nationale: Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel).

Membre du comité de programme : 14th International Conference on Ad Hoc Networks and Wireless—special track on Distributed Computing with Mobile Agents (ADHOC-NOW 2015, Athens, Greece), 15th In-

ternational Conference on Ad Hoc Networks and Wireless (ADHOC-NOW 2016, Lille, France), 14th International Symposium on Pervasive Systems, Algorithms, and Networks (I-SPAN 2017, Exeter, UK), 13th International Symposium on Algorithms and Experiments for Wireless Networks (ALGOSENSORS 2017, Vienna, Austria).

Participation à l'organisation de conférences : 1st and 2nd Athens Colloquium on Algorithms and Complexity (ACAC 2006–2007, Athens, Greece), 37th International Colloquium on Automata, Languages and Programming (ICALP 2010, Bordeaux, France), ANR DISPLEXITY project meeting (2014, Cognac, France), 24th International Colloquium on Structural Information and Communication Complexity (SIROCCO 2017, Porquerolles, France – membre du comité d'organisation).

9. Compétences et formation en langues

| | |
|----------|---|
| Grec | <i>Langue maternelle.</i> |
| Anglais | <i>Compétence professionnelle avancée</i> – 1997: Cambridge Certificate of Proficiency in English (CPE), grade A |
| Français | <i>Compétence professionnelle générale</i> – 1995: Diplôme d'Études en Langue Française: DELF 1 ^{er} degré (DELF B2), mention assez bien |

OCTOBRE 2014 – SEPTEMBRE 2015: Formation "Français Langue Étrangère", organisée par l'INSERM Bordeaux et offerte au personnel de l'Université de Bordeaux.

10. Publications

Revue internationale (avec comité de lecture)

- [J6] Evangelos Bampas, Leszek Gąsieniec, Nicolas Hanusse, David Ilcinkas, Ralf Klasing, Adrian Kosowski, and Tomasz Radzik: *Robustness of the rotor-router mechanism*. *Algorithmica* (2016).
- [J5] Evangelos Bampas, Andreas-Nikolas Göbel, Aris Pagourtzis, and Aris Tentes: *On the connection between interval size functions and path counting*. *Computational Complexity* (2016).
- [J4] Evangelos Bampas, Nikos Leonardos, Euripides Markou, Aris Pagourtzis, and Matoula Petrolia: *Improved periodic data retrieval in asynchronous rings with a faulty host*. *Theoretical Computer Science* 608, 231–254 (2015).
- [J3] Evangelos Bampas, Davide Bilò, Guido Drovandi, Luciano Gualà, Ralf Klasing, and Guido Proietti: *Network verification via routing table queries*. *Journal of Computer and System Sciences* 81(1), 234–248 (2015).
- [J2] Evangelos Bampas, Aris Pagourtzis, George Pierrakos, and Katerina Potika: *On a noncooperative model for wavelength assignment in multifiber optical networks*. *IEEE/ACM Transactions on Networking* 20(4), 1125–1137 (2012).
- [J1] Evangelos Bampas, Aris Pagourtzis, and Katerina Potika: *An experimental study of maximum profit wavelength assignment in WDM rings*. *Networks* 57(3), 285–293 (2011).

Conférences internationales (avec comité de lecture et actes)

- [C16] Evangelos Bampas, Jurek Czyzowicz, Leszek Gąsieniec, David Ilcinkas, Ralf Klasing, Tomasz Kociumaka, and Dominik Pająk: *Linear search by a pair of distinct-speed robots*. In *Proceedings of SIROCCO 2016–23rd International Colloquium on Structural Information and Communication Complexity* (Jukka Suomela, ed.), *Lecture Notes in Computer Science*, vol. 9988, Springer, 2016, pp. 195–211.

- [C15] Evangelos Bampas and David Ilcinkas: *On mobile agent verifiable problems*. In Proceedings of LATIN 2016–12th Latin American Theoretical Informatics Symposium (Evangelos Kranakis, Gonzalo Navarro, and Edgar Chavez, eds.), Lecture Notes in Computer Science, vol. 9644, Springer, 2016, pp. 123–137.
- [C14] Evangelos Bampas, Jurek Czyzowicz, David Ilcinkas, and Ralf Klasing: *Beachcombing on strips and islands*. In Proceedings of ALGOSENSORS 2015–11th International Symposium on Algorithms and Experiments for Wireless Sensor Networks (Prosenjit Bose, Leszek Gąsieniec, Kay Römer, and Roger Wattenhofer, eds.), Lecture Notes in Computer Science, vol. 9536, Springer, 2015, pp. 155–168.¹
- [C13] Evangelos Bampas, Christina Karousatou, Aris Pagourtzis, and Katerina Potika: *Scheduling connections via path and edge multicoloring*. In Proceedings of ADHOC-NOW 2015–14th International Conference on Ad-Hoc Networks and Wireless (Symeon Papavassiliou and Stefan Ruehrup, eds.), Lecture Notes in Computer Science, vol. 9143, Springer, 2015, pp. 33–47.
- [C12] Evangelos Bampas, Nikos Leonardos, Euripides Markou, Aris Pagourtzis, and Matoula Petrolia: *Improved Periodic Data Retrieval in asynchronous rings with a faulty host*. In Proceedings of SIROCCO 2014–21st International Colloquium on Structural Information and Communication Complexity (Magnus Halldórsson, ed.), Lecture Notes in Computer Science, vol. 8576, Springer, 2014, pp. 355–370.²
- [C11] Evangelos Bampas, Anissa Lamani, Franck Petit, and Mathieu Valero: *Self-stabilizing balancing algorithm for containment-based trees*. In Proceedings of SSS 2013–15th International Symposium on Stabilization, Safety, and Security of Distributed Systems (Teruo Higashino, Yoshiaki Katayama, Toshimitsu Masuzawa, Maria Potop-Butucaru, and Masafumi Yamashita, eds.), Lecture Notes in Computer Science, vol. 8255, Springer, 2013, pp. 191–205.
- [C10] Evangelos Bampas, Aris Pagourtzis, George Pierrakos, and Vasilis Syrgkanis: *Selfish resource allocation in optical networks*. In Proceedings of CIAC 2013–8th International Conference on Algorithms and Complexity (Paul G. Spirakis and Maria Serna, eds.), Lecture Notes in Computer Science, vol. 7878, Springer, 2013, pp. 25–36.
- [C9] Evangelos Bampas, Davide Bilò, Guido Drovandi, Luciano Gualà, Ralf Klasing, and Guido Proietti: *Network verification via routing table queries*. In Proceedings of SIROCCO 2011–18th International Colloquium on Structural Information and Communication Complexity (Adrian Kosowski and Masafumi Yamashita, eds.), Lecture Notes in Computer Science, vol. 6796, Springer, 2011, pp. 270–281.
- [C8] Evangelos Bampas, Jurek Czyzowicz, Leszek Gąsieniec, David Ilcinkas, and Arnaud Labourel: *Almost optimal asynchronous rendezvous in infinite multidimensional grids*. In Proceedings of DISC 2010–24th International Symposium on Distributed Computing (Nancy Lynch and Alexander Shvartsman, eds.), Lecture Notes in Computer Science, vol. 6343, Springer, 2010, pp. 297–311.
- [C7] Evangelos Bampas, Leszek Gąsieniec, Ralf Klasing, Adrian Kosowski, and Tomasz Radzik: *Robustness of the rotor-router mechanism*. In Proceedings of OPODIS 2009–13th International Conference on Principles of Distributed Systems (Tarek Abdelzaher, Michel Raynal, and Nicola Santoro, eds.), Lecture Notes in Computer Science, vol. 5923, Springer, 2009, pp. 345–358.
- [C6] Evangelos Bampas, Leszek Gąsieniec, Nicolas Hanusse, David Ilcinkas, Ralf Klasing, and Adrian Kosowski: *Euler tour lock-in problem in the rotor-router model (I choose pointers and you choose port numbers)*. In Proceedings of DISC 2009–23rd International Symposium on Distributed Computing (Idit Keidar, ed.), Lecture Notes in Computer Science, vol. 5805, Springer, 2009, pp. 421–433.
- [C5] Evangelos Bampas, Aris Pagourtzis, George Pierrakos, and Vasileios Syrgkanis: *Colored resource allocation games (extended abstract)*. In Proceedings of CTW 2009–8th Cologne-Twente Workshop on

¹[C14] a été invité au numéro spécial de *Theoretical Computer Science*, qui contiendra les meilleurs papiers d'ALGOSENSORS 2015 et d'ALGOSENSORS 2016.

²[C12] a été invité au numéro spécial de *Theoretical Computer Science*, qui contient les meilleurs papiers de SIROCCO 2014 ([14]).

Graphs and Combinatorial Optimization (Sonia Cafieri, Antonio Mucherino, Giacomo Nannicini, Fabien Tarissan, and Leo Liberti, eds.), École Polytechnique and CNAM, 2009, pp. 68–72.

- [C4] Evangelos Bampas, Andreas-Nikolas Göbel, Aris Pagourtzis, and Aris Tentes: *On the connection between interval size functions and path counting*. In Proceedings of TAMC 2009–6th Annual Conference on Theory and Applications of Models of Computation (Jianer Chen and S. Barry Cooper, eds.), Lecture Notes in Computer Science, vol. 5532, Springer, 2009, pp. 108–117.
- [C3] Evangelos Bampas, Aris Pagourtzis, George Pierrakos, and Katerina Potika: *On a non-cooperative model for wavelength assignment in multifiber optical networks*. In Proceedings of ISAAC 2008–19th International Symposium on Algorithms and Computation (Seok-Hee Hong, Hiroshi Nagamochi, and Takuro Fukunaga, eds.), Lecture Notes in Computer Science, vol. 5369, Springer, 2008, pp. 159–170.
- [C2] Evangelos Bampas, Aris Pagourtzis, and Katerina Potika: *Maximum profit wavelength assignment in WDM rings (extended abstract)*. In Proceedings of CTW 2008–7th Cologne-Twente Workshop on Graphs and Combinatorial Optimization (Giovanni Righini, ed.), University of Milan, 2008, pp. 35–38.
- [C1] Evangelos Bampas, Georgia Kaouri, Michael Lampis, and Aris Pagourtzis: *Periodic metro scheduling*. In Proceedings of ATMOS 2006–6th Workshop on Algorithmic Methods and Models for Optimization of Railways (Riko Jacob and Matthias Müller-Hannemann, eds.), OpenAccess Series in Informatics, vol. 5, Schloss Dagstuhl, 2006.

Conférences nationales (avec comité de lecture et actes)

- [N1] Evangelos Bampas, Aris Pagourtzis, and Katerina Potika: *Maximum request satisfaction in WDM rings: Algorithms and experiments*. In Proceedings of PCI 2007–11th Panhellenic Conference on Informatics (Theodore S. Papatheodorou, Dimitris N. Christodoulakis, and Nikitas N. Karanikolas, eds.), Current Trends in Informatics, vol. A, New Technologies Publications, 2007, pp. 627–642.

Conférences nationales (avec comité de lecture, sur résumé)

- [B1] Evangelos Bampas and David Ilcinkas: *Problèmes vérifiables par agents mobiles*. In Proceedings of AlgoTel 2015–17^{es} Rencontres Francophones pour les Aspects Algorithmiques des Télécommunications, hal-01148475, HAL, 2015.

Thèses

- [T2] Evangelos Bampas: *Routing and wavelength assignment in optical networks*. Ph.D. dissertation PD2009-0055, School of Electrical and Computer Engineering, National Technical University of Athens, Greece, 2009.
- [T1] Evangelos Bampas: *Algorithmic techniques in complexity theory*. Diploma thesis DT2004-0171, School of Electrical and Computer Engineering, National Technical University of Athens, Greece, 2004 (in Greek).

Communications orales sans actes

- [O10] *Distributed decision and verification by mobile agents*. EURO 2016–28th European Conference on Operational Research, Poznań University of Technology, Poland (July 2016). Invited talk for the Graph Searching stream. Joint work with David Ilcinkas.

- [09] *Beachcombing on strips and islands*. JSL 2016–Journées Scientifiques du LIF, L’Isle-sur-la-Sorgue, France (June 2016). Joint work with Jurek Czyzowicz, David Ilcinkas, and Ralf Klasing.
- [08] *Mobile agents: Evacuation, beachcombing, and computability classes*. ANR DISPLEXITY project meeting, Arcachon, France (September 2015). Based on joint work with Jurek Czyzowicz, Leszek Gąsieniec, David Ilcinkas, Ralf Klasing, Tomasz Kociumaka, and Dominik Pająk.
- [07] *On mobile agent verifiable problems*. ACAC 2015–10th Athens Colloquium on Algorithms and Complexity, National Technical University of Athens, Greece (August 2015). Joint work with David Ilcinkas.
- [06] *Periodic data retrieval in asynchronous rings with a faulty host*. ANR DISPLEXITY project meeting, Cognac, France (September 2014). Joint work with Nikos Leonardos, Euripides Markou, Aris Pagourtzis, and Matoula Petrolia.
- [05] *Improved periodic data retrieval in asynchronous rings with a faulty host*. Troisièmes journées du GT Complexité et Algorithmes (GDR-IM): Algorithmes naturels, LIAFA, Université Paris-Diderot, Paris, France (September 2014). Joint work with Nikos Leonardos, Euripides Markou, Aris Pagourtzis, and Matoula Petrolia.
- [04] *Progress on periodic data retrieval in asynchronous ring networks with a faulty host*. MAC 2013–Moving and Computing: Research meeting on Distributed Computing by Mobile Robots, Ischia, Italy (July 2013). Joint work with Nikos Leonardos, Euripides Markou, Aris Pagourtzis, and Matoula Petrolia.
- [03] *Robustness of the rotor-router mechanism*. 4^e ANR ALADDIN project meeting, LaBRI, Université de Bordeaux, France (November 2009). Joint work with Leszek Gąsieniec, Ralf Klasing, Adrian Kosowski, and Tomasz Radzik.
- [02] *On a non-cooperative model for wavelength assignment in optical networks*. ACAC 2008–3rd Athens Colloquium on Algorithms and Complexity, University of Athens, Greece (August 2008). Joint work with Aris Pagourtzis, George Pierrakos, and Katerina Potika.
- [01] *Selfish wavelength assignment in multifiber optical networks*. AAAC 2008–1st Annual Meeting of the Asian Association for Algorithms and Computation, University of Hong Kong, Pokfulam, Hong Kong (April 2008). Joint work with Aris Pagourtzis, George Pierrakos, and Katerina Potika.