

# Curriculum Vitæ

## Dr. Evangelos Bampas

[www.corelab.ntua.gr/~ebamp](http://www.corelab.ntua.gr/~ebamp)



### 1 Information personnelle

Nom : Bampas  
Prénom : Evangelos  
Date et lieu de naissance : 18/04/1981. Cholargos, Athens, Greece.  
Nationalité : Hellénique  
Contact :  
tél. : +33 7 82 43 62 93 (mobile)  
mail : [evangelos/d/bampas/a/gmail/d/com](mailto:evangelos/d/bampas/a/gmail/d/com) , [ebamp/a/cs/d/ntua/d/gr](mailto:ebamp/a/cs/d/ntua/d/gr)  
web : <http://www.corelab.ntua.gr/~ebamp/>

### 2 Titres universitaires

OCTOBRE 2004 – OCTOBRE 2009 **Ph.D.**  
Université : 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 : Stathis ZACHOS  
Jury : Timos SELLIS, Georgios KOLETOS, Aris PAGOURTZIS, Elias KOUTSOPIAS, Ioannis MILIS, Dimitris FOTAKIS

SEPTEMBRE 1999 – OCTOBRE 2004 **Diplôme d'Ingénieur (5 années d'études, note finale : 8,76/10)**  
Université : 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 : Stathis 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 longueurs d'onde, modèles décentralisés et non coopératifs
Calculabilité et complexité	complexité de comptage, modèles de calculabilité pour agents mobiles

### 4 Bilan de publications

Revue internationale	11	(Algorithmica, JCSS, IEEE/ACM ToN, Information & Computation, ...)
Conférences internationales	17	(DISC, LATIN, CIAC, ISAAC, SIROCCO, ...)
Conférences nationales	3	
Thèses	2	

## 5 Activités professionnelles

- JANVIER 2018 – JUIN 2018 **Senior lecturer**  
 Department of Computer Science, Mathematics, and Environmental Science, The American University of Paris, France
- OCTOBRE 2015 – JUILLET 2017 **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	Établissement*
2017–2018	Introduction à la programmation informatique I	52	–	–	15	L1	AUP
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

Année	Sujet	CM (heures)	TD (heures)	TP (heures)	Effectif (étudiants)	Niveau	Établissement*
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 :*

AUP : The American University of Paris, France

AMU : Aix-Marseille Université, France

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

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

## 7 Projets de recherche

2015 – 2018 **ANCOR**

*Algorithms for Energy-Constrained Micro-Robots*

Agence Nationale de la Recherche (ANR), France et Swiss National Science Foundation (SNSF), Switzerland

Participants : LIF (U. Aix-Marseille), ETH Zürich

2013 – 2017 **MACARON**

*Moving and Computing: Agents, Robots, and Networks*

Agence Nationale de la Recherche (ANR), France

Participants : LIF (U. Aix-Marseille), LaBRI (U. Bordeaux)

2012 – 2015 **DISPLEXITY**

*Distributed Computing: computability and complexity*

Agence Nationale de la Recherche (ANR), France

Participants : LaBRI (U. Bordeaux), LIAFA (U. Paris 7), IRISA (U. Rennes)

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 Séjours de recherche

OCTOBRE 2017 – DÉCEMBRE 2017

Laboratoire d'Informatique de Paris 6 (LIP6), Université Pierre et Marie Curie (Paris 6), France.  
Équipe Recherche Opérationnelle, collaboration avec Prof. Evripidis Bampis.

DÉCEMBRE 2015

Laboratoire Bordelais de Recherche en Informatique (LaBRI), Université de Bordeaux, France.  
Équipe Combinatoire et Algorithmique (groupe d'Algorithmique Distribuée), collaboration avec Dr. Ralf Klasing and Dr. David Ilcinkas.

## 9 Bourses

OCTOBRE 2015 – SEPTEMBRE 2016

**Bourse postdoctorale du Laboratoire d'Excellence (La-bEx) Archimède**

Établissement d'accueil : Laboratoire d'Informatique Fondamentale de Marseille (LIF), Aix-Marseille Université, France

NOVEMBRE 2009 – OCTOBRE 2010

**Bourse postdoctorale de l'INRIA Bordeaux-Sud-Ouest, équipe-projet CEPAGE**

Établissement d'accueil : Laboratoire Bordelais de Recherche en Informatique (LaBRI), Université de Bordeaux, France

JANVIER 2006 – DÉCEMBRE 2008

**Bourse pour des études doctorales du Secrétariat général grec pour la recherche et la technologie (GSRT)**

Établissement d'accueil : National Technical University of Athens, Greece

## 10 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 (IWOCA)
- International Symposium on Algorithms and Experiments for Wireless Sensor Networks (ALGO-SENSORS)
- International Conference on Principles of Distributed Systems (OPODIS)
- International Conference on Distributed Computing and Networking (ICDCN)
- International Colloquium on Automata, Languages, and Programming (ICALP)
- European Symposium on Algorithms (ESA)
- International Symposium on Fundamentals of Computation (FCT)
- International Conference and Workshops on Algorithms and Computation (WALCOM)

**Rapporteur pour la conférence nationale :**

- Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel)

**Membre du comité de programme :**

- 14<sup>th</sup> International Conference on Ad Hoc Networks and Wireless—special track on Distributed Computing with Mobile Agents (ADHOC-NOW 2015, Athens, Greece)
- 15<sup>th</sup> International Conference on Ad Hoc Networks and Wireless (ADHOC-NOW 2016, Lille, France)
- 14<sup>th</sup> International Symposium on Pervasive Systems, Algorithms, and Networks (I-SPAN 2017, Exeter, UK).
- 13<sup>th</sup> International Symposium on Algorithms and Experiments for Wireless Networks (ALGO-SENSORS 2017, Vienna, Austria – part of ALGO 2017 congress).

**Membre du comité d'organisation :**

- 24<sup>th</sup> International Colloquium on Structural Information and Communication Complexity (SIROCCO 2017, Porquerolles, France)

**Participation à l'organisation de conférences et colloques :**

- 1<sup>st</sup> Athens Colloquium on Algorithms and Complexity (ACAC 2006, Athens, Greece)
- 2<sup>nd</sup> Athens Colloquium on Algorithms and Complexity (ACAC 2007, Athens, Greece)
- 37<sup>th</sup> International Colloquium on Automata, Languages and Programming (ICALP 2010, Bordeaux, France)
- 7<sup>th</sup> meeting of ANR DISPLEXITY project (2014, Cognac, France)

## 11 Compétences et formation en langues

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

OCTOBRE 2014 – SEPTEMBRE 2015 : Formation « Français Langue Étrangère », organisée par l'IN-SERM Bordeaux et offerte au personnel de l'Université de Bordeaux.

## 12 Publications

### Revues internationales (avec comité de lecture)

- [J11] Evangelos Bampas, Lélia Blin, Jurek Czyzowicz, David Ilcinkas, Arnaud Labourel, Maria Potop-Butucaru, and Sébastien Tixeuil: *On asynchronous rendezvous in general graphs*. Theoretical Computer Science (2018), accepted for publication.
- [J10] Evangelos Bampas, Jurek Czyzowicz, Leszek Gąsieniec, David Ilcinkas, Ralf Klasing, Tomasz Kociumaka, and Dominik Pająk: *Linear search by a pair of distinct-speed robots*. Algorithmica (2018), accepted for publication.
- [J9] Evangelos Bampas, Christina Karousatou, Aris Pagourtzis, and Katerina Potika: *Minimum multiplicity edge coloring via orientation*. Discrete Applied Mathematics 247, 380–388 (2018), to appear.
- [J8] Evangelos Bampas and David Ilcinkas: *On mobile agent verifiable problems*. Information and Computation 260, 51–71 (2018).
- [J7] Evangelos Bampas, Christina Karousatou, Aris Pagourtzis, and Katerina Potika: *Path multicoloring in spider graphs with even color multiplicity*. Information Processing Letters 133, 1–4 (2018).
- [J6] Evangelos Bampas, Leszek Gąsieniec, Nicolas Hanusse, David Ilcinkas, Ralf Klasing, Adrian Kosowski, and Tomasz Radzik: *Robustness of the rotor-router mechanism*. Algorithmica 78(3), 869–895 (2017).
- [J5] Evangelos Bampas, Andreas-Nikolas Göbel, Aris Pagourtzis, and Aris Tentes: *On the connection between interval size functions and path counting*. Computational Complexity 26(2), 421–467 (2017).
- [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)

- [C17] Evangelos Bampas, Shantanu Das, Dariusz Dereniowski, and Christina Karousatou: *Collaborative delivery by energy-sharing low-power mobile robots*. In Proceedings of ALGOSENSORS 2017–13<sup>th</sup> International Symposium on Algorithms and Experiments for Wireless Sensor Networks

- (Antonio Fernández Anta, Tomasz Jurdzinski, Miguel A. Mosteiro, and Yanyong Zhang, eds.), Lecture Notes in Computer Science, vol. 10718, Springer, 2017, pp. 1–12.
- [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 2016–23<sup>rd</sup> 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 2016–12<sup>th</sup> 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 2015–11<sup>th</sup> 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. <sup>1</sup>
- [C13] Evangelos Bampas, Christina Karousatou, Aris Pagourtzis, and Katerina Potika: *Scheduling connections via path and edge multicoloring*. In Proceedings of ADHOC-NOW 2015–14<sup>th</sup> 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 2014–21<sup>st</sup> International Colloquium on Structural Information and Communication Complexity (Magnus Halldórsson, ed.), Lecture Notes in Computer Science, vol. 8576, Springer, 2014, pp. 355–370. <sup>2</sup>
- [C11] Evangelos Bampas, Anissa Lamani, Franck Petit, and Mathieu Valero: *Self-stabilizing balancing algorithm for containment-based trees*. In Proceedings of SSS 2013–15<sup>th</sup> 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 2013–8<sup>th</sup> 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 2011–18<sup>th</sup> 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 2010–24<sup>th</sup> 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 2009–13<sup>th</sup> International

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

<sup>2</sup>[C12] a été invité au numéro spécial de *Theoretical Computer Science*, qui contient les meilleurs papiers de SIROCCO 2014 (cf. [J4]).

- 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 2009–23<sup>rd</sup> 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 2009–8<sup>th</sup> Cologne-Twente Workshop on 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 2009–6<sup>th</sup> 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 2008–19<sup>th</sup> 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 2008–7<sup>th</sup> 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 2006–6<sup>th</sup> 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 2007–11<sup>th</sup> 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)

- [B2] Evangelos Bampas, Jérémie Chalopin, Shantanu Das, Jan Hackfeld, and Christina Karousatou: *Comment explorer un arbre inconnu avec des agents à énergie limitée ? (Maximal exploration of trees with energy-constrained agents)*. In Proceedings of AlgoTel 2017–19<sup>es</sup> Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications, hal-01523302, HAL, 2017.
- [B1] Evangelos Bampas and David Ilcinkas: *Problèmes vérifiables par agents mobiles (Mobile agent verifiable problems)*. In Proceedings of AlgoTel 2015–17<sup>es</sup> Rencontres Francophones sur les Aspects Algorithmiques de 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

- [O12] *Collaborative delivery by robots that can share energy*. ACAC 2017–Athens Colloquium on Algorithms and Complexity, Athens University of Economics and Business, Greece (August 2017). Joint work with Shantanu Das, Dariusz Dereniowski, and Christina Karousatou.
- [O11] *Collaborative delivery by robots that can share energy*. MAC 2017–Moving and Computing: Research meeting and school on distributed computing by mobile robots, La Maddalena, Italy (June 2017). Joint work with Shantanu Das, Dariusz Dereniowski, and Christina Karousatou.
- [O10] *Distributed decision and verification by mobile agents*. EURO 2016–28<sup>th</sup> European Conference on Operational Research, Poznań University of Technology, Poland (July 2016). Invited talk for the Graph Searching stream. Joint work with David Ilcinkas.
- [O9] *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.
- [O8] *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.
- [O7] *On mobile agent verifiable problems*. ACAC 2015–10<sup>th</sup> Athens Colloquium on Algorithms and Complexity, National Technical University of Athens, Greece (August 2015). Joint work with David Ilcinkas.
- [O6] *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.
- [O5] *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.
- [O4] *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.
- [O3] *Robustness of the rotor-router mechanism*. 4<sup>e</sup> ANR ALADDIN project meeting, LaBRI, Université de Bordeaux, France (November 2009). Joint work with Leszek Gąsieniec, Ralf Klasing, Adrian Kosowski, and Tomasz Radzik.
- [O2] *On a non-cooperative model for wavelength assignment in optical networks*. ACAC 2008–3<sup>rd</sup> Athens Colloquium on Algorithms and Complexity, University of Athens, Greece (August 2008). Joint work with Aris Pagourtzis, George Pierrakos, and Katerina Potika.
- [O1] *Selfish wavelength assignment in multifiber optical networks*. AAAC 2008–1<sup>st</sup> 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.