



Anthony Perez

Maître de conférences --- Université d'Orléans

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Formation

2012-xxxx	Maître de Conférences (Section 27) Equipe GAMoC	Université d'Orléans
2011-2012	Attaché Temporaire d'Enseignement et de Recherche Equipe GAMoC - Laboratoire d'Informatique Fondamentale d'Orléans	Université d'Orléans
2008-2011	Thèse sous la direction de Stéphane Bessy et Christophe Paul Algorithmes de noyau pour des problèmes d'édition de graphes et autres structures Soutenue le 14 Novembre 2011	Université Montpellier II
2006-2008	Master Informatique à Finalités Professionnelle et Recherche Unifiées	Université Montpellier II
2003-2006	Licence Mathématiques-Informatique	Université de Nîmes

Responsabilités administratives

enseignement

2016-2018	Directeur des études du S2 de la L1 Mathématiques-Informatique	Université d'Orléans
2014-2018	Directeur des études du Master 1 Informatique	Université d'Orléans

laboratoire et université

2014-2016	Webmaster et responsable du site Internet du Laboratoire d'Informatique Fondamentale d'Orléans (LIFO)
2013	Membre de la cellule Communication du Collegium Sciences et Techniques de l'Université d'Orléans Participation à l'Institut de Recherche sur l'Enseignement des Sciences (IRES) à l'Université d'Orléans

organisation de conférences

2016	33rd International Symposium on Theoretical Aspects of Computer Science (STACS) Orléans (France), 17-20 Février 2016
2015	Journées Graphes et Algorithmes (JGA) Orléans (France), 4-6 Novembre 2015
2014	International Workshop on Graph-Theoretic Concepts in Computer Science (WG) Domaine de Chalès (France), 25-27 Juin 2014
2009	Journées Graphes et Algorithmes (JGA) Montpellier (France), 5-6 Novembre 2009 International Workshop on Graph-Theoretic Concepts in Computer Science (WG) Montpellier (France), 24-26 Juin 2009

co-auteurs

stéphane bessy
nathalie camelin
mathieu chapelle
manfred cochefert
victor connes
jean-françois couturier
christophe crespelle
pascal cuxac
maximilien danisch
nicolas dugué
maël dumas
fedor v. fomin
florent foucaud
serge gaspers
younes gueddari
sylvain guillemot
benjamin gras
frédéric havet
dieter kratsch
vincent labatut
jean-charles lamirel
mathieu liedloff
sylvain meignier
christophe paul
thibault prouteau
stéphan thomassé
saketa saurabh
florian sikora
ioan todinca
yuqi wang

Publications

Journaux internationaux avec comité de lecture

On the Complexity of Broadcast Domination and Multipacking in Digraphs

Florent Foucaud, Benjamin Gras, Anthony Perez, and Florian Sikora

Algorithmica 83.9 (2021) pp. 2651–2677. 2021

Analysis of the dynamics and influence of the research work of Prof. Liu Zeyuan in China featuring a new hybrid approach combining community detection with topic tracking

Jean-Charles Lamirel, Younes Gueddari, Yuqi Wang, Pascal Cuxac, Anthony Perez, and Nicolas Dugué

Scientometrics 126.7 (2021) pp. 6273–6300. 2021

An $O(n^2)$ time algorithm for the MINIMAL PERMUTATION COMPLETION problem

Christophe Crespelle, Anthony Perez, and Ioan Todinca

Discrete Applied Mathematics 254 (2019) 80:95. 2019

Exact Algorithms for Weak Roman Domination

Mathieu Chapelle, Manfred Cochefert, Jean-François Couturier, Dieter Kratsch, Mathieu Liedloff, and Anthony Perez

Discrete Applied Mathematics 248 (2018) pp. 79–92. 2018

Linear kernel for Rooted Triplet Inconsistency and other problems based on conflict packing technique

Christophe Paul, Anthony Perez, and Stéphan Thomassé

Journal of Computer and System Sciences 82.2 (2016) pp. 366–379. 2016

A community role approach to assess social capitalists visibility in the Twitter network

Nicolas Dugué, Vincent Labatut, and Anthony Perez

Social Network Analysis and Mining 5.1 (2015) 26:1–26:13. 2015

On the kernelization of ranking r-CSPs: Linear vertex-kernels for generalizations of Feedback Arc Set and Betweenness in tournaments

Anthony Perez

Discrete Applied Mathematics 186 (2015) pp. 214–225. 2015

Social capitalists on Twitter: detection, evolution and behavioral analysis

Nicolas Dugué and Anthony Perez

Social Network Analysis and Mining 4.1 (2014) p. 178. 2014

Polynomial kernels for Proper Interval Completion and related problems

Stéphane Bessy and Anthony Perez

Information and Computation 231 (2013) pp. 89–108. 2013

On the (Non-)Existence of Polynomial Kernels for P_l -Free Edge Modification Problems

Sylvain Guillemot, Frédéric Havet, Christophe Paul, and Anthony Perez

Algorithmica 65.4 (2013) pp. 900–926. 2013

Kernels for Feedback Arc Set in Tournaments

Stéphane Bessy, Fedor V. Fomin, Serge Gaspers, Christophe Paul, Anthony Perez, Saketa Saurabh, and Stéphan Thomassé

Journal of Computer and System Sciences 77.6 (2011) pp. 1071–1078. 2011

Polynomial kernels for 3-leaf power graph modification problems

Stéphane Bessy, Christophe Paul, and Anthony Perez

Discrete Applied Mathematics 158.16 (2010) pp. 1732–1744. 2010

Conférences internationales avec comité de lecture

Completion to Chordal Distance-Hereditary Graphs: A Quartic Vertex-Kernel

Christophe Crespelle, Benjamin Gras, and Anthony Perez

- Graph-Theoretic Concepts in Computer Science - 47th International Workshop, WG 2021, Warsaw, Poland, June 23-25, 2021, Revised Selected Papers, 2021*, vol. 12911, pp. 156–168
- A Cubic Vertex-Kernel for Trivially Perfect Editing**
Maël Dumas, Anthony Perez, and Ioan Todinca
46th International Symposium on Mathematical Foundations of Computer Science (MFCS 2021), 2021, vol. 202, 45:1–45:14
- Polynomial kernels for strictly chordal edge modification problems**
Maël Dumas, Anthony Perez, and Ioan Todinca
International Symposium on Parameterized and Exact Computation (IPEC), 2021
- GeST: A New Image Segmentation Technique based on Graph Embedding**
Anthony Perez
Proceedings of the 16th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2021, Volume 4: VISAPP, Online Streaming, February 8-10, 2021, pp. 245–252
- SINr: Fast Computing of Sparse Interpretable Node Representations is not a Sin!**
Thibault Prouteau, Victor Connes, Nicolas Dugué, Anthony Perez, Jean-Charles Lamirel, Nathalie Camelin, and Sylvain Meignier
Advances in Intelligent Data Analysis XIX - 19th International Symposium on Intelligent Data Analysis, IDA 2021, Porto, Portugal, April 26-28, 2021, Proceedings, 2021, vol. 12695, pp. 325–337
- On the Complexity of Broadcast Domination and Multipacking in Digraphs**
Florent Foucaud, Benjamin Gras, Anthony Perez, and Florian Sikora
Combinatorial Algorithms - 31st International Workshop, IWOCA 2020, Bordeaux, France, June 8-10, 2020, Proceedings, 2020, vol. 12126, pp. 264–276
- Bringing a Feature Selection Metric from Machine Learning to Complex Networks**
Nicolas Dugué, Jean-Charles Lamirel, and Anthony Perez
Complex Networks, 2018, pp. 107–118
- An $O(n^2)$ Time Algorithm for the Minimal Permutation Completion Problem**
Christophe Crespelle, Anthony Perez, and Ioan Todinca
Graph-Theoretic Concepts in Computer Science - 41st International Workshop, WG 2015, Garching, Germany, June 17-19, 2015, Revised Papers, 2015, pp. 103–115
- A reliable and evolutive web application to detect social capitalists**
Nicolas Dugué, Anthony Perez, Maximilien Danisch, Florian Bridoux, Amélie Daviau, Tennessy Kolubako, Simon Munier, and Hugo Durbano
International Conference on Advances in Social Networks Analysis and Mining, ASONAM 2015, Paris, France, August 25 - 28, 2015, 2015, pp. 741–744
- Identifying the community roles of social capitalists in the Twitter network**
Vincent Labatut, Nicolas Dugué, and Anthony Perez
International Conference on Advances in Social Networks Analysis and Mining, ASONAM 2014, Beijing, China, August 17-20, 2014, 2014, pp. 371–374
- Exact Algorithms for Weak Roman Domination**
Mathieu Chapelle, Manfred Cochefert, Jean-François Couturier, Dieter Kratsch, Mathieu Liedloff, and Anthony Perez
Combinatorial Algorithms - 24th International Workshop, IWOCA 2013, Rouen, France, July 10-12, 2013, Revised Selected Papers, 2013, pp. 81–93
- Detecting Social Capitalists on Twitter Using Similarity Measures**
Nicolas Dugué and Anthony Perez
Complex Networks IV - 4th Workshop on Complex Networks, Berlin, Germany, March 13-15, 2013, 2013, pp. 1–12
- Linear Vertex-kernels for Several Dense Ranking r -Constraint Satisfaction Problems**
Anthony Perez
Theory and Applications of Models of Computation, 10th International Conference, TAMC 2013, Hong Kong, China, May 20-22, 2013, 2013, pp. 306–318

Polynomial Kernels for Proper Interval Completion and Related Problems

Stéphane Bessy and Anthony Perez

Fundamentals of Computation Theory - 18th International Symposium, FCT 2011, Oslo, Norway, August 22-25, 2011. Proceedings, 2011, pp. 229–239

Conflict Packing Yields Linear Vertex-Kernels for k -FAST, k -dense RTI and a Related Problem

Christophe Paul, Anthony Perez, and Stéphan Thomassé

Mathematical Foundations of Computer Science 2011 - 36th International Symposium, MFCS 2011, Warsaw, Poland, August 22-26, 2011. Proceedings, 2011, pp. 497–507

On the (Non-)existence of Polynomial Kernels for P_l -free Edge Modification Problems

Sylvain Guillemot, Christophe Paul, and Anthony Perez

Parameterized and Exact Computation - 5th International Symposium, IPEC 2010, Chennai, India, December 13-15, 2010. Proceedings, 2010, pp. 147–157

Kernels for Feedback Arc Set In Tournaments

Stéphane Bessy, Fedor V. Fomin, Serge Gaspers, Christophe Paul, Anthony Perez, Saket Saurabh, and Stéphan Thomassé

IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS 2009, December 15-17, 2009, IIT Kanpur, India, 2009, pp. 37–47

Polynomial Kernels for 3-Leaf Power Graph Modification Problems

Stéphane Bessy, Christophe Paul, and Anthony Perez

Combinatorial Algorithms, 20th International Workshop, IWOCA 2009, Hradec nad Moravicí, Czech Republic, June 28-July 2, 2009, Revised Selected Papers, 2009, pp. 72–82

Conférences nationales avec comité de lecture

Identification de rôles communautaires dans des réseaux orientés appliquée à Twitter

Nicolas Dugué, Vincent Labatut, and Anthony Perez

14èmes Journées Francophones Extraction et Gestion des Connaissances, EGC 2014, Rennes, France, 28-32 Janvier, 2014, 2014, vol. E-26, pp. 125–130

Les capitalistes sociaux sur Twitter : détection via des mesures de similarité

Nicolas Dugué and Anthony Perez

Extraction et gestion des connaissances (EGC'2013), Actes, 29 janvier - 01 février 2013, Toulouse, France, 2013, vol. RNTI-E-24, pp. 329–334