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## PERSONAL INFORMATION

**Name and Surname** Panayotis Mertikopoulos  
**Date of Birth** 10/10/1980  
**Place of Birth** Athens, Greece  
**Nationality** Greek  
**Home page** <http://mesca1.imag.fr/membres/panayotis.mertikopoulos>



## RESEARCH INTERESTS

Learning; optimization; game theory; networks; artificial intelligence

## EDUCATION AND PROFESSIONAL EXPERIENCE

2011–present	<b>CNRS – French National Center for Scientific Research</b> Tenured researcher ( <i>chargé de recherche</i> ) in the Laboratoire d'Informatique de Grenoble (LIG), working with the joint Inria/LIG team POLARIS	Grenoble, France
2018, spring	<b>UC Berkeley</b> Simons Institute for the Theory of Computing – Visiting Scientist	Berkeley, CA, USA
2016, fall	<b>LUISS Guido Carli University</b> Visiting professor	Rome, Italy
2015–present	<b>National &amp; Kapodistrian University of Athens</b> Visiting researcher	Athens, Greece
2010–2011	<b>École Polytechnique, Department of Economics</b> Post-doctoral researcher in game theory	Paris, France
2007–2010	<b>University of Athens, Department of Physics</b> <i>Doctorate of Philosophy</i> Thesis: <i>Stochastic Perturbations in Game Theory and Applications to Networks</i>	Athens, Greece
2003–2006	<b>Brown University, Department of Mathematics</b> <i>Master of Science</i> in Mathematics (May 2005) with a GPA of 4.0/4.0 ( <i>summa cum laude</i> ) <i>Admitted to Candidacy</i> for the Ph.D. degree in Mathematics (M.Phil. equivalent; Sept. 2005)	Providence, RI, USA
1998–2003	<b>University of Athens, Department of Physics</b> Undergraduate studies in Physics (majoring in Astrophysics and Theoretical Mechanics) <i>Ptychion</i> degree in Physics (July 2003); graduated valedictorian with a grade of 9.1/10. Major thesis: <i>Gauss's law and Residue Calculus in the Framework of de Rham Cohomology</i>	Athens, Greece

## DISTINCTIONS, GRANTS, AND FELLOWSHIPS

### DISTINCTIONS

2018	Outstanding reviewer award at NIPS 2018
2017	Shortlisted paper [2] (“ <i>Multi-agent online learning with imperfect information</i> ”) for the INFORMS George Nicholson award
2012	Best paper award at NETGCOOP 2012 for “ <i>Strange bedfellows: Riemann, Gibbs, and vector Gaussian multiple access channels</i> ” [74]

**AWARDED GRANTS**

2018	<b>MixedGAN</b> – <i>Mixed-strategy generative adversarial networks</i> CNRS exploratory grant (PEPS I3A); co-PI structure
2017–2018	<b>ULTRON</b> – <i>Ultra-low latency scheduling via online learning</i> Huawei FLAGSHIP grant, PI
2016–2020	<b>ORACLESS</b> – <i>Online resource allocation for unpredictable large-scale wireless systems</i> French National Research Agency starting grant (ANR JCJC), PI
2017–2020	<b>GAMENET</b> – <i>European Network for Game Theory</i> EU COST action; working group leader
2017	<b>HEAVY.NET</b> – <i>Optimization and analysis of heavily congested networks</i> PGMO/PRMO grant; PI
2016	<b>REAL.net</b> – <i>Resource allocation in dynamic network environments</i> CNRS exploratory grant (PEPS JCJC); PI
2014–2015	<b>GATHERING</b> – <i>Game theory, evolution and randomness in networks and graphs</i> CNRS exploratory grant (PEPS HuMaIn); PI
2014–2017	<b>GAGA</b> – <i>Geometric aspects of games</i> ANR grant; co-PI structure
2012–2013	<b>LACODS</b> – <i>Learning algorithms for control and optimization in distributed systems</i> MSTIC (French competitiveness pole) career development grant; PI

**FELLOWSHIPS**

2003–2004	<b>Brown University</b> <i>Dean's Fellow</i> (fellowship awarded to meritorious incoming graduate students)	Providence, RI, USA
2003–2006	<b>Embeirikeion Foundation</b> Three-year fellowship in support of mathematical studies abroad	Athens, Greece
2003	<b>Greek State Scholarship Foundation</b> Honorary fellowship for graduating valedictorian in 2003	Athens, Greece

**ADVISING AND TEACHING**

Post-docs	<ul style="list-style-type: none"> <li>• Olivier Bilenne (2018–present)</li> <li>• Amélie Héliou (2017–2018)</li> <li>• Luigi Vigneri (2017–2018)</li> <li>• Ioannis Stiakogiannakis (2014–2015)</li> <li>• Nof Abuzainab (2014–2015)</li> </ul>
Ph.D. students	<ul style="list-style-type: none"> <li>• Benjamin Roussillon (2018–present; co-supervised with P. Loiseau)</li> <li>• Kimon Antonakopoulos (2017–present; co-supervised with E. V. Belmega)</li> <li>• Bruno Donassolo (2017–present; co-supervised with A. Legrand and I. Fajjari)</li> <li>• Alexandre Marcastel (2015–present; co-supervised with E. V. Belmega)</li> </ul>
Graduate level	Game theory, learning, optimization (ENS Lyon)
Undergraduate level	Probability theory, stochastic processes; advanced algorithms (U. Athens)
Seminars/Schools	UC Berkeley (2018): Thematic course on real-time decision-making RESCOM (2012): Summer school on the applications of game theory to data networks

## COMMITTEES, SERVICES AND RESEARCH NETWORKS

### COMMITTEES AND SERVICES

- 2014–present Member of the steering committee (*comité de liaison*) of the optimization and decision theory group of the French Society for Industrial and Applied Mathematics (SMAI)
- 2011–present Graduate students liaison (*chargé de mission doctorants*) for the Laboratoire d'Informatique de Grenoble

### CONFERENCE ORGANIZATION AND EDITORIAL ACTIVITIES

- 2018, Paris (FR) Co-organizer of the 2018 Paris Symposium on Game Theory
- 2018, Grenoble (FR) General co-chair of the 2018 French Days on Optimization and Decision Science (“*Journées SMAI–MODE 2018*”)
- 2018, Vienna (AT) Co-organizer of the 2018 Workshop on Games, Dynamics and Optimization (GDO 2018)
- 2016, Luchon (FR) General co-chair of the GEL 2016 workshop on “*Geometry, Evolution and Learning in Games*”
- 2015, Seignosse (FR) Organizer of the mini-symposium “*Games, Learning and Applications*” of the 2015 SMAI congress
- 2014, Barcelona (ES) Co-organizer of the track “*Dynamics and Learning in Games*” in IFORS 2014
- 2014, Tunis (TN) Technical program co-chair of the 12th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt 2014)
- 2013, Grenoble (FR) General co-chair of the 2013 Intl. Workshop on Algorithmic Game Theory (AlgoGT 2013)
- 2013, Tsukuba (JP) Publications chair of the 11th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt 2013)
- 2012, Cargèse (FR) Publications chair of the 7th Intl. Conference on Performance Evaluation, Methodologies and Tools (Valuetools 2013)
- Editorial boards *Dynamic Games and Applications*
- Reviewing (journals) *Advances in Applied Probability, Annals of Operations Research, Dynamic Games and Applications, Games and Economic Behavior, IEEE Access, IEEE Journal on Selected Areas in Communications, IEEE Transactions on Information Theory / Signal Processing / Communications / Wireless Communications, IEEE/ACM Transactions on Networking, Journal of Economic Theory, Journal of Optimization Theory and Applications, Mathematics of Operations Research, Mathematical Programming, Operations Research, SIAM Journal on Control and Optimization, SIAM Journal on Optimization, Theoretical Economics, ...*
- Reviewing (conf's) COLT, ICML, NIPS, SODA, ...

### PARTICIPATION IN RESEARCH PROJECTS AND NETWORKS

- 2016–2018 **LEARN** – *Learning algorithms for games and applications*  
Franco-Chilean Network of Excellence, co-financed by ECOS-Sud and CONICYT
- 2013–2017 **NETLEARN** – *Learning algorithms orchestration for mobile networks resource management*  
Research project financed by the French National Research Agency (ANR)
- 2012–2015 **NEWCOM#** – *Network of excellence in wireless communications*  
Network of Excellence formed under FP7
- 2012–2016 **ADGO** – *Algorithms and dynamics in games and optimization*  
Franco-Chilean network funded by the Chilean National Research Agency (CONICYT)
- 2012–2016 **CROWN** – *Optimal control of self-organized wireless networks*  
Research project co-financed by EU and Greek national funds under the THALES initiative
- 2006–2009 **NET-REFOUND** – *Network research foundations and trends*  
Specific Targeted Research Project funded by the EU under FP6

**INVITED TALKS AND TUTORIALS (PAST 3 YEARS)**

2018	<b>Trinity College</b> “Efficient network utility maximization algorithms”	Dublin, Ireland
2018	<b>National Technical University of Athens (Athens Polytechnic)</b> “Traffic in congested networks: Equilibrium, efficiency, and dynamics”	Athens, Greece
2018	<b>GDO 2018 – Invited talk</b> “Bandit learning in concave $N$ -person games”	Vienna, Austria
2018	<b>UC Berkeley – Simons Institute for the Theory of Computing</b> “Online learning in games”	Berkeley, CA, USA
2017	<b>University of Aix–Marseille</b> “Convergence and non-convergence in game-theoretic learning”	Marseille, France
2017	<b>PGMO Days 2017</b> “The price of anarchy in high and low traffic”	Paris, France
2017	<b>GDR ISIS workshop on Game Theory, Optimization and Learning</b> “Game theory meets signal processing (and feels no regret)”	Paris, France
2017	<b>Emergent and Self-Adaptive Systems Workshop – panelist</b> “Design and validation of future computer systems: Theory and practice”	Lancaster, UK
2017	<b>Lancaster University</b> “Multi-agent online learning: Game theory meets machine learning”	Lancaster, UK
2017	<b>Paris Game Theory Seminar (Institut Henri Poincaré)</b> “No-regret learning in games”	Paris, France
2017	<b>Erice 2017 – Stochastic Methods in Game Theory</b> “How bad is selfish routing in highly congested networks?”	Erice, Italy
2017	<b>Stanford University</b> “Learning in games via reinforcement and regularization”	Stanford, CA, USA
2016	<b>University of Vienna</b> “On the convergence of gradient flows with noisy gradient input”	Vienna, Austria
2016	<b>Saclay Algorithmics Seminar (Université Paris–Sud)</b> “Learning in games with continuous action spaces”	Paris, France
2016	<b>Sapienza University of Rome</b> “Game-theoretic learning with noisy first-order input”	Rome, Italy
2016	<b>LUISS Guido Carli University</b> “Learning in games with imperfect information”	Rome, Italy
2016	<b>Paris Optimization Seminar (Institut Henri Poincaré)</b> “Learning in concave games”	Paris, France
2016	<b>CROWNCOM 2016 (two-part tutorial)</b> “Game theory, learning, and cognitive radio”	Grenoble, France
2016	<b>ADGO 2016 – Algorithms and Dynamics for Games and Optimization</b> “Robust optimization and online learning in games”	Santiago, Chile
2015	<b>University of Maastricht</b> “Learning in concave $N$ -person games”	Maastricht, The Netherlands
2015	<b>ORANGE workshop on Learning and Networks (invited tutorial)</b> “Online optimization for wireless communication systems”	Paris, France
2015	<b>2015 Paris Symposium on Game Theory</b> “Learning in games with unknown payoff functions”	Paris, France
2015	<b>Huawei Algorithmic Sciences Laboratory</b> “Online optimization for wireless networks”	Paris, France
2015	<b>PGMO Conference on Optimization &amp; Practices in Industry</b> “Geometric game dynamics and regularization”	Paris, France

2015 **Toulouse School of Economics**  
 “Regularization methods for learning in games”

Toulouse, France

## PUBLICATIONS AND SCIENTIFIC OUTPUT

### SOFTWARE (1)

- [1] P. Mertikopoulos, “GameSeer: visualization software for game dynamics.” Available under the GNU public license at: <http://mescal.imag.fr/membres/panayotis.mertikopoulos/files/GameSeer.zip>.

### WORKING/SUBMITTED PAPERS (11)

- [2] Z. Zhou, P. Mertikopoulos, N. Bambos, P. W. Glynn, and C. Tomlin, “Multi-agent online learning with imperfect information.” Under review, 2018.
- [3] I. M. Bomze, P. Mertikopoulos, W. Schachinger, and M. Staudigl, “Hessian barrier algorithms for linearly constrained optimization problems.” <http://arxiv.org/abs/1809.09449>, 2018.
- [4] B. Duvocelle, P. Mertikopoulos, M. Staudigl, and D. Vermeulen, “Learning in time-varying games.” <https://arxiv.org/abs/1809.03066>, 2018.
- [5] P. Mertikopoulos, B. Lecouat, H. Zenati, C.-S. Foo, V. Chandrasekhar, and G. Piliouras, “Optimistic mirror descent in saddle-point problems: Going the extra (gradient) mile.” <https://arxiv.org/abs/1807.02629>, 2018.
- [6] Z. Zhou, P. Mertikopoulos, N. Bambos, P. W. Glynn, and Y. Ye, “Distributed stochastic optimization with large delays.” Under review, 2018.
- [7] R. Colini-Baldeschi, R. Cominetti, P. Mertikopoulos, and M. Scarsini, “When is selfish routing bad? The price of anarchy in light and heavy traffic.” <https://arxiv.org/abs/1703.00927>, 2018.
- [8] E. V. Belmega, P. Mertikopoulos, R. Negrel, and L. Sanguinetti, “Online convex optimization and no-regret learning: Algorithms, guarantees and applications.” <https://arxiv.org/abs/1804.04529>, 2018.
- [9] I. Stiakogiannakis, P. Mertikopoulos, and C. Touati, “Power control via online learning in non-stationary MIMO networks.” <http://arxiv.org/abs/1503.02155>, 2018.
- [10] Z. Zhou, P. Mertikopoulos, A. L. Moustakas, N. Bambos, and P. W. Glynn, “Robust power management via learning and game design.” Under review, 2017.
- [11] Z. Zhou, P. Mertikopoulos, N. Bambos, S. Boyd, and P. W. Glynn, “On the convergence of mirror descent beyond stochastic convex programming.” <https://arxiv.org/abs/1706.05681>, 2017.
- [12] P. Mertikopoulos, A. L. Moustakas, and A. Tzanakaki, “Boltzmann meets Nash: Energy-efficient routing in optical networks under uncertainty.” <https://arxiv.org/abs/1605.01451>, 2016.

### JOURNAL PAPERS (27)

- [13] P. Mertikopoulos and Z. Zhou, “Learning in games with continuous action sets and unknown payoff functions,” *Mathematical Programming*, no. to appear, 2018.
- [14] P. Mertikopoulos and M. Staudigl, “Stochastic mirror descent dynamics and their convergence in monotone variational inequalities,” *Journal of Optimization Theory and Applications*, vol. 179, pp. 838–867, December 2018.
- [15] P. Mertikopoulos and W. H. Sandholm, “Riemannian game dynamics,” *Journal of Economic Theory*, vol. 177, pp. 315–364, September 2018.
- [16] P. Mertikopoulos and M. Staudigl, “On the convergence of gradient-like flows with noisy gradient input,” *SIAM Journal on Optimization*, vol. 28, pp. 163–197, January 2018.
- [17] M. Bravo and P. Mertikopoulos, “On the robustness of learning in games with stochastically perturbed payoff observations,” *Games and Economic Behavior*, vol. 103, John Nash Memorial issue, pp. 41–66, May 2017.
- [18] P. Mertikopoulos, E. V. Belmega, R. Negrel, and L. Sanguinetti, “Distributed stochastic optimization via matrix exponential learning,” *IEEE Trans. Signal Process.*, vol. 65, pp. 2277–2290, May 2017.
- [19] J. Kwon and P. Mertikopoulos, “A continuous-time approach to online optimization,” *Journal of Dynamics and Games*, vol. 4, pp. 125–148, April 2017.
- [20] A. S. Shafiq, P. Mertikopoulos, S. Glisic, and Y. M. Fang, “Semi-cognitive radio networks: A novel dynamic spectrum sharing mechanism,” *IEEE Trans. on Cogn. Commun. Netw.*, vol. 3, pp. 97–111, March 2017.

- [21] S. D'Oro, L. Galluccio, P. Mertikopoulos, G. Morabito, and S. Palazzo, "Auction-based resource allocation in OpenFlow multi-tenant networks," *Computer Networks*, vol. 115, pp. 29–41, March 2017.
- [22] S. Perkins, P. Mertikopoulos, and D. S. Leslie, "Mixed-strategy learning with continuous action sets," *IEEE Trans. Autom. Control*, vol. 62, pp. 379–384, January 2017.
- [23] P. Mertikopoulos and W. H. Sandholm, "Learning in games via reinforcement and regularization," *Mathematics of Operations Research*, vol. 41, pp. 1297–1324, November 2016.
- [24] A. L. Moustakas, P. Mertikopoulos, and N. Bambos, "Power optimization in random wireless networks," *IEEE Trans. Inf. Theory*, vol. 62, pp. 5030–5058, September 2016.
- [25] B. Gaujal and P. Mertikopoulos, "A stochastic approximation algorithm for stochastic semidefinite programming," *Probability in the Engineering and Informational Sciences*, vol. 30, pp. 431–454, July 2016.
- [26] P. Mertikopoulos and Y. Viosat, "Imitation dynamics with payoff shocks," *International Journal of Game Theory*, vol. 45, pp. 291–320, March 2016.
- [27] P. Mertikopoulos and E. V. Belmega, "Learning to be green: Robust energy efficiency maximization in dynamic MIMO-OFDM systems," *IEEE J. Sel. Areas Commun.*, vol. 34, pp. 743 – 757, April 2016.
- [28] P. Mertikopoulos and A. L. Moustakas, "Learning in an uncertain world: MIMO covariance matrix optimization with imperfect feedback," *IEEE Trans. Signal Process.*, vol. 64, pp. 5–18, January 2016.
- [29] R. Laraki and P. Mertikopoulos, "Inertial game dynamics and applications to constrained optimization," *SIAM Journal on Control and Optimization*, vol. 53, pp. 3141–3170, October 2015.
- [30] S. D'Oro, P. Mertikopoulos, A. L. Moustakas, and S. Palazzo, "Interference-based pricing for opportunistic multi-carrier cognitive radio systems," *IEEE Trans. Wireless Commun.*, vol. 14, pp. 6536–6549, December 2015.
- [31] G. Bacci, E. V. Belmega, P. Mertikopoulos, and L. Sanguinetti, "Energy-aware competitive power allocation for heterogeneous networks under QoS constraints," *IEEE Trans. Wireless Commun.*, vol. 14, pp. 4728–4742, September 2015.
- [32] P. Coucheney, B. Gaujal, and P. Mertikopoulos, "Penalty-regulated dynamics and robust learning procedures in games," *Mathematics of Operations Research*, vol. 40, pp. 611–633, August 2015.
- [33] P. Mertikopoulos and E. V. Belmega, "Transmit without regrets: online optimization in MIMO-OFDM cognitive radio systems," *IEEE J. Sel. Areas Commun.*, vol. 32, pp. 1987–1999, November 2014.
- [34] R. Laraki and P. Mertikopoulos, "Higher order game dynamics," *Journal of Economic Theory*, vol. 148, pp. 2666–2695, November 2013.
- [35] P. Mertikopoulos, E. V. Belmega, A. L. Moustakas, and S. Lasaulce, "Distributed learning policies for power allocation in multiple access channels," *IEEE J. Sel. Areas Commun.*, vol. 30, pp. 96–106, January 2012.
- [36] C. Pawlowitsch, P. Mertikopoulos, and N. Ritt, "Neutral stability, drift, and the diversification of languages," *Journal of Theoretical Biology*, vol. 287, pp. 1–12, July 2011.
- [37] P. Kazakopoulos, P. Mertikopoulos, A. L. Moustakas, and G. Caire, "Living at the edge: a large deviations approach to the outage MIMO capacity," *IEEE Trans. Inf. Theory*, vol. 57, pp. 1984–2007, April 2011.
- [38] P. Mertikopoulos and A. L. Moustakas, "The emergence of rational behavior in the presence of stochastic perturbations," *The Annals of Applied Probability*, vol. 20, pp. 1359–1388, July 2010.
- [39] P. Mertikopoulos and A. L. Moustakas, "Correlated anarchy in overlapping wireless networks," *IEEE J. Sel. Areas Commun.*, vol. 26, pp. 1160–1169, September 2008.

### CONFERENCE PAPERS (43)

- [40] L. Vigneri, P. Mertikopoulos, and G. Paschos, "Large-scale network utility maximization: Countering exponential growth with exponentiated gradients," in *INFOCOM '19: Proceedings of the 38th IEEE International Conference on Computer Communications*, 2019.
- [41] B. Donassolo, I. Fajjari, A. Legrand, and P. Mertikopoulos, "A fog-based framework for IoT service provisioning," in *CCNC '19: Proceedings of the 16th IEEE International Conference on Consumer Communications & Networking*, 2019.
- [42] M. Bravo, D. S. Leslie, and P. Mertikopoulos, "Bandit learning in concave  $N$ -person games," in *NIPS '18: Proceedings of the 32nd International Conference on Neural Information Processing Systems*, 2018.
- [43] Z. Zhou, P. Mertikopoulos, S. Athey, N. Bambos, P. W. Glynn, and Y. Ye, "Learning in games with lossy feedback," in *NIPS '18: Proceedings of the 32nd International Conference on Neural Information Processing Systems*, 2018.
- [44] M. Staudigl, R. I. Boş, P. T. Vuong, and P. Mertikopoulos, "On the convergence of stochastic forward-backward-forward algorithms with variance reduction in pseudo-monotone variational inequalities," in *NIPS '18: Workshop on Smooth Games, Optimization and Machine Learning (SGO&ML)*, 2018.

- [45] A. Ward, Z. Zhou, P. Mertikopoulos, and N. Bambos, "Power control with random delays: Robust feedback averaging," in *CDC '18: Proceedings of the 57th IEEE Annual Conference on Decision and Control*, 2018.
- [46] Z. Zhou, P. Mertikopoulos, N. Bambos, P. W. Glynn, Y. Ye, J. Li, and F.-F. Li, "Distributed asynchronous optimization with unbounded delays: How slow can you go?," in *ICML '18: Proceedings of the 35th International Conference on Machine Learning*, 2018.
- [47] M. Leconte, G. Paschos, P. Mertikopoulos, and U. Kozat, "A resource allocation framework for network slicing," in *INFOCOM '18: Proceedings of the 37th IEEE International Conference on Computer Communications*, 2018.
- [48] P. Mertikopoulos, C. H. Papadimitriou, and G. Piliouras, "Cycles in adversarial regularized learning," in *SODA '18: Proceedings of the 29th annual ACM-SIAM Symposium on Discrete Algorithms*, 2018.
- [49] R. Colini-Baldeschi, R. Cominetti, P. Mertikopoulos, and M. Scarsini, "The asymptotic behavior of the price of anarchy," in *WINE 2017: Proceedings of the 13th Conference on Web and Internet Economics*, 2017.
- [50] J. Cohen, A. Héliou, and P. Mertikopoulos, "Learning with bandit feedback in potential games," in *NIPS '17: Proceedings of the 31st International Conference on Neural Information Processing Systems*, 2017.
- [51] Z. Zhou, P. Mertikopoulos, N. Bambos, S. Boyd, and P. W. Glynn, "Stochastic mirror descent for variationally coherent optimization problems," in *NIPS '17: Proceedings of the 31st International Conference on Neural Information Processing Systems*, 2017.
- [52] Z. Zhou, P. Mertikopoulos, N. Bambos, P. W. Glynn, and C. Tomlin, "Countering feedback delays in multi-agent learning," in *NIPS '17: Proceedings of the 31st International Conference on Neural Information Processing Systems*, 2017.
- [53] J. Cohen, A. Héliou, and P. Mertikopoulos, "Hedging under uncertainty: Regret minimization meets exponentially fast convergence," in *SAGT '17: Proceedings of the 10th International Symposium on Algorithmic Game Theory*, 2017.
- [54] A. L. Moustakas, P. Mertikopoulos, Z. Zhou, and N. Bambos, "Least action routing: Identifying the optimal path in a wireless relay network," in *PIMRC'17: 28th annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications*, 2017.
- [55] P. Mertikopoulos and M. Staudigl, "Convergence to Nash equilibrium in continuous games with noisy first-order feedback," in *CDC '17: Proceedings of the 56th IEEE Annual Conference on Decision and Control*, 2017.
- [56] Z. Zhou, P. Mertikopoulos, A. L. Moustakas, N. Bambos, and P. W. Glynn, "Mirror descent learning in continuous games," in *CDC '17: Proceedings of the 56th IEEE Annual Conference on Decision and Control*, 2017.
- [57] Z. Zhou, P. Mertikopoulos, A. L. Moustakas, S. Mehdian, N. Bambos, and P. W. Glynn, "Power control in wireless networks via dual averaging," in *GLOBECOM '17: Proceedings of the 2017 IEEE Global Telecommunications Conference*, 2017.
- [58] P. Mertikopoulos, E. V. Belmega, and L. Sanguinetti, "Distributed learning for resource allocation under uncertainty," in *GLOBALSIP '16: Proceedings of the 2016 IEEE Global Conference on Signal and Information Processing*, 2016.
- [59] A. Marcastel, E. V. Belmega, P. Mertikopoulos, and I. Fijalkow, "Online power allocation for opportunistic radio access in dynamic OFDM networks," in *VTC '16-Fall: Proceedings of the 2016 IEEE Vehicular Technology Conference*, 2016.
- [60] A. Marcastel, E. V. Belmega, P. Mertikopoulos, and I. Fijalkow, "Online interference mitigation via learning in dynamic IoT environments," in *GLOBECOM '16: Proceedings of the 2016 IEEE Global Telecommunications Conference*, 2016.
- [61] A. Marcastel, E. V. Belmega, P. Mertikopoulos, and I. Fijalkow, "Interference mitigation via pricing in time-varying cognitive radio systems," in *NetGCoop '16: Proceedings of the 2016 International Conference on Network Games, Control and Optimization*, 2016.
- [62] A. S. Shafiq, P. Mertikopoulos, and S. Glisic, "A novel dynamic network architecture model based on stochastic geometry and game theory," in *ICC '16: Proceedings of the 2016 IEEE International Conference on Communications*, 2016.
- [63] S. D'Oro, P. Mertikopoulos, A. L. Moustakas, and S. Palazzo, "Cost-efficient power allocation in OFDMA cognitive radio networks," in *EUCNC '15: Proceedings of the 2015 European Conference on Networks and Communications*, 2015.
- [64] I. Stiakogiannakis, P. Mertikopoulos, and C. Touati, "No more tears: A no-regret approach to power control in dynamically varying MIMO networks," in *WiOpt '15: Proceedings of the 13th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, 2015.
- [65] E. V. Belmega and P. Mertikopoulos, "Energy-efficient power allocation in dynamic multi-carrier systems," in *VTC '15-Spring: Proceedings of the 2015 IEEE Vehicular Technology Conference*, (Glasgow, Scotland), May 2015.
- [66] I. Stiakogiannakis, P. Mertikopoulos, and C. Touati, "No regrets: Distributed power control under time-varying channels and QoS requirements," in *Allerton '14: Proceedings of the 51st Annual Allerton Conference on Communication, Control, and Computing*, 2014.
- [67] S. D'Oro, P. Mertikopoulos, A. L. Moustakas, and S. Palazzo, "Adaptive transmit policies for cost-efficient power allocation in multi-carrier systems," in *WiOpt '14: Proceedings of the 12th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, 2014.

- [68] P. Coucheney, B. Gaujal, and P. Mertikopoulos, "Distributed optimization in multi-user MIMO systems with imperfect and delayed information," in *ISIT '14: Proceedings of the 2014 IEEE International Symposium on Information Theory*, 2014.
- [69] G. Bacci, E. V. Belmega, P. Mertikopoulos, and L. Sanguinetti, "Energy-aware competitive link adaptation in small-cell networks," in *WiOpt '14: Proceedings of the 12th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, 2014.
- [70] P. Mertikopoulos and A. L. Moustakas, "Entropy-driven optimization dynamics for Gaussian vector multiple access channels," in *ICC '13: Proceedings of the 2013 IEEE International Conference on Communications*, 2013.
- [71] P. Mertikopoulos and A. L. Moustakas, "Riemannian-geometric optimization methods for MIMO multiple access channels," in *ISIT '13: Proceedings of the 2013 IEEE International Symposium on Information Theory*, 2013.
- [72] P. Mertikopoulos and E. V. Belmega, "Adaptive spectrum management in MIMO-OFDM cognitive radio: An exponential learning approach," in *ValueTools '13: Proceedings of the 7th International Conference on Performance Evaluation Methodologies and Tools*, 2013.
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