

Nicolas Gast

Associate researcher at Inria

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Research Interest : Stochastic Optimization and Learning – Stochastic Models – Networks

Education

2020 **Habilitation**, University Grenoble Alpes, France.

2010 **PhD in Computer Science**, University of Grenoble, France.

2003–2007 **Student at École Normale Supérieure, Agrégation de Mathématiques**, Paris, France.

Professional Experience

2014–current **Research associate**, Inria, Grenoble, France, (*chargé de recherche*).

2010–2014 **Post-doctoral fellow**, EPFL, Lausanne, Suisse.

2007–2010 **PhD candidate and teaching assistant**, Grenoble University and Inria, France.

Supervision

6 PostDocs **Guillaume Massonet** (2014–2016), **Josu Doncel** (2015–2016), **Carmen Higuerra** (2016–2017), **Takai Kennouche** (2018–2019), **Mouhcine Mendil** (2018–2019), **Henry-Joseph Audeoud** (2020–2022).

8 PhD students **Benoit Vinot** (2015–2018), **Vitalii Emelianov** (2018–2022), **Chen Yan** (2019–now), **Thomas Barzola** (2019–now), **Kimang Khun** (2019–now), **Sebastian Allmeier** (2020–now), **Romain Cravic** (2021–now), **Mathieu Molina** (2022–now).

Awards and Honors

Contracts PI of Anr Refino 2019–2024, IDEX Flex-MS 2018–2019 EU FP7 project Quanticol 2013–2017.

PEDR Prime d'encadrement doctoral et de recherche. Awarded for 2015 – 2023.

Best papers ACM SIGMETRICS 2018, ACM CoNext 2012. Best student paper at ValueTools 2009

Conference Program Committee and Reviews

Program committee Member of the TPC of NeurIPS 2019, 21, ICML 2020, ICLR 2021, ACM SIGMETRICS (2016–2022) ACM E-Energy (2014–2017). Area chair ITC-29,...

Editorship Associate editor of the journals “Performance Evaluation” and of “Stochastic models”

Bibliometry and Selected Publications

H-index : 23 (google scholar). 2000+ citations. Authors of 40+ conference and journal papers.

- [1] N. Gast and B. Van Houdt. “A Refined Mean Field Approximation”. In: *Proc. ACM Meas. Anal. Comput. Syst.* 1.2 (Dec. 2017), 33:1–33:28. ISSN: 2476-1249. DOI: 10.1145/3154491. URL: <http://doi.acm.org/10.1145/3154491>.
- [2] C. Fricker and N. Gast. “Incentives and redistribution in homogeneous bike-sharing systems with stations of finite capacity”. In: *Euro journal on transportation and logistics* 5.3 (2016), pp. 261–291.
- [3] N. Gast, G. Massonet, D. Reijsbergen, and M. Tribastone. “Probabilistic forecasts of bike-sharing systems for journey planning”. In: *Proceeding of the 24th ACM International Conference on Information and Knowledge Management (CIKM’15)*. ACM, 2015.
- [4] N. Gast, J. Le Boudec, and D. Tomozei. “Impact of Demand-Response on the Efficiency and Prices in Real-Time Electricity Markets”. In: *Proceedings of ACM E-ENERGY*. 2014.
- [5] R. Khalili, N. Gast, M. Popovic, U. Upadhyay, and J. Le Boudec. “MPTCP is not pareto-optimal: performance issues and a possible solution”. In: *Proceedings of the 8th international conference on Emerging networking experiments and technologies*. Best paper award. ACM. 2012, pp. 1–12.

Full list at <http://scholar.google.ch/citations?user=KbEN-HoAAAAJ&hl=en&oi=ao>.