

# Nicolas Gast

Associate researcher at Inria

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

## Education

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

5 PostDocs **Guillaume Massonnet** (2014-2016), **Josu Doncel** (2015-2016), **Carmen Higuerra** (2016-2017), **Takai Kennouche** (2018-now), **Mouhcine Mendil** (2018-now)

5 PhD Benoit Vinot (2015-2018), Vitalii Emelianov (2018-now), Chen Yan (2019-now), Thomas Barzolla (2019-now), Kimang Khun (2019-now)

## Awards and Honors

Contracts EU FP7 project Quanticol 2013-2017, IDEX Flex-MD 2018-2019, Grants Enedis.

PEDR Prime d'encadrement doctoral et de recherche. Awarded for 2015 – 2019.

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, ACM SIGMETRICS (2016–2019) 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** : 19 (google scholar). 1300+ citations. Authors of 30+ 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] N. Gast, G. Massonnet, D. Reijnders, 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.
- [3] C. Fricker and N. Gast. “Incentives and redistribution in homogeneous bike-sharing systems with stations of finite capacity”. English. In: *EURO Journal on Transportation and Logistics* (2014), pp. 1–31. ISSN: 2192-4376. DOI: 10.1007/s13676-014-0053-5. URL: <http://dx.doi.org/10.1007/s13676-014-0053-5>.
- [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>.