

Thibaut Le Gouic

Maître de conférence (Associate Professor)

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French citizen, born on 1987, in Saint-Pierre (974), France.

Academic Employment

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| 2017–2018 | Délégation CNRS Six months research sabbatical awarded by the CNRS (France) |
| Sept 2014– | Maître de conférence (Associate Professor) Ecole Centrale de Marseille, Marseille |
| 2013–2014 | ATER (1-year contract assistant professor) École centrale de Marseille, Marseille |
| 2010–2013 | Moniteur (Teaching assistant) Université Paul Sabatier, Toulouse |

Education

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| 2010–2013 | PhD Université Paul Sabatier, Toulouse Title: <i>Mass localization and Wasserstein spaces</i> Advisor: <i>Philippe Berthet</i> |
| 2008–2010 | Master de Mathématiques Université Paul Sabatier, Toulouse Mémoire: <i>Quantization and measure transportation for clustering in Banach spaces</i> |
| 2005–2008 | Licence de Mathématiques Université Paul Sabatier, Toulouse |

Scientific animation

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| Sept 2016-July 2017 | Organisation of the seminar of statistics <i>Institut de Mathématiques de Marseille</i> |
| Oct 2016 | Research visit at the Higher School of Economics Moscow (Russia) |
| May 2016 | Selection comity for an assistant professor position at the École Centrale de Casablanca (Morocco) |
| Jan 2016 | Reviewer for <i>The Annals of Statistics</i> |
| Jan-Jun 2013 | Organisation of a PhD student workshop <i>Institut de Mathématiques de Toulouse</i> |
| Oct 2012 | Organisation of the welcoming day for new PhD students in probability and statistics <i>Institut de Mathématiques de Toulouse</i> |
| Oct 2012 | Organisation of mini-courses between PhD students <i>Institut de Mathématiques de Toulouse</i> |
| Mars et Nov 2012 | Participations at the Hippocampe program: the scientific world for high school students <i>Institut de Recherche pour l'Enseignement des Mathématiques de Toulouse</i> |

Conferences and seminars

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| Dec 2017 | Invited Session, CFE-CMStatistics meeting University of London, London (UK) |
| Dec 2016 | Latin American Congress of Probability and Mathematical Statistics (CLAPEM) San José (Costa Rica) |
| Oct 2016 | Talk on Wasserstein barycenter Faculty of Mathematics, Higher School of Economics, Moscow (Russia) |
| Oct 2015 | 2nd conference on Geometric Science of Information Ecole Polytechnique, Paris-Saclay |
| Juin 2015 | Meeting on statistics Avignon-Marseille Université d'Avignon, Avignon |
| Sept 2014 | Séminaire de probabilités et statistiques I3M, Montpellier |
| Feb 2014 | Séminaire de statistiques LAREMA, Angers |
| Jan 2014 | Workshop on PDE/Probability LATP, Marseilles |
| Nov 2013 | Séminaire de probabilités IMT, Toulouse |
| Aou 2013 | Rencontres des jeunes statisticiens Centre Paul Langevin, Aussois |
| Juin 2012 | Sexto encuentro de Estadística Matemática BoSanTouVal CIEM, Castro Urdiales (Spain) |

PUBLICATIONS AND PREPRINTS

Publications

- [BL14] Emmanuel Boissard and Thibaut Le Gouic. “On the mean speed of convergence of empirical and occupation measures in Wasserstein distance”. In: *Annales de l’Institut Henri Poincaré, Probabilités et Statistiques*. Vol. 50. 2. Institut Henri Poincaré. 2014, pp. 539–563.
- [BLL15] Emmanuel Boissard, Thibaut Le Gouic, and Jean-Michel Loubes. “Distribution’s template estimate with Wasserstein metrics”. In: *Bernoulli* 21.2 (2015), pp. 740–759.
- [LL16] Thibaut Le Gouic and Jean-Michel Loubes. “Existence and consistency of Wasserstein barycenters”. In: *Probability Theory and Related Fields* (2016), pp. 1–17. ISSN: 1432-2064. DOI: [10.1007/s00440-016-0727-z](https://doi.org/10.1007/s00440-016-0727-z). URL: <http://dx.doi.org/10.1007/s00440-016-0727-z>.

Preprints

- [AL17] Ery Arias-Castro and Thibaut Le Gouic. “Unconstrained and Curvature-Constrained Shortest-Path Distances and their Approximation”. In: *arXiv preprint arXiv:1706.09441* (2017).
- [Le 15a] Thibaut Le Gouic. “Mass localization”. In: *arXiv preprint arXiv:1506.04136* (2015).
- [Le 15b] Thibaut Le Gouic. “Recovering metric from full ordinal information”. In: *arXiv preprint arXiv:1506.03762* (2015).

TEACHING

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| 2016–2017 | 250h service <ul style="list-style-type: none">• courses in probability theory (L3)• courses in statistical learning (M2)• courses in statistics (M1)• project tutoring |
| 2015–2016 | 314h service <ul style="list-style-type: none">• courses in probability theory (L3,M1)• courses in statistical learning (M2)• courses in statistics (M1)• project tutoring |
| 2014–2015 | 225h service <ul style="list-style-type: none">• courses in probability theory (L3,M1)• courses in statistical learning (M2)• courses in statistics (M1)• project tutoring |
| 2013–2014 | 192h service <ul style="list-style-type: none">• courses in probability theory (L3,M1)• courses in statistics (M1)• project tutoring |