


Arthur Gaudron

Research Engineer at Center for Robotics, MINES ParisTech, PSL University

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Currently

Research Engineer & PhD candidate

Currently preparing a PhD Thesis on Data Driven Decision Support System for Urban Logistics (defense planned for June 2020) while executing management and administrative duties as a Project Manager.

Specialized in

Decision Support System, City Logistics, Optimization, Operational Research, Project Management

Research interests

Data Science, Urbanism, Public Policy, Decision Making

Education

- 2017–2020 **PhD, MINES ParisTech, PSL University**
Center for Robotics
Thesis : Open Model Methodology
- 2010 – 2013 **Engineer Diploma, University of Technology of Compiègne**
Master Degree in Mechanical Engineering
- 2008 – 2010 **University of Bordeaux**
Material Science and Engineering

Research activities

- 2015 – now **Urban logistics Chair**
Preparation of a PhD thesis and co-supervision of research projects
- 2020 **23rd EURO Working Group on Transportation Conference**
Member of the Technical Committee
- 2017 **Stuart**
Participation on an industrial contract on optimization of delivery assignments in the context of express deliveries

Publications

Non Peer-Reviewed

- Journals 2020 Françoise Barbier-Chassaing, Élise Berlinski, Alexandre Ganachaud, **Arthur Gaudron** & Lorraine Paquin
Le procès du ranking social - Conclusions pour M Vigi
Dalloz IP/IT, Dalloz, 2020
- 2019 **Arthur Gaudron**
Trial of an AI: Empowering people to explore law and science challenges
IFIM's International Journal on Law & Regulation of Artificial Intelligence & Robotics, 2019, 1
- 2018 Françoise Barbier-Chassaing, Jean-Baptiste Crabières & **Arthur Gaudron**
Le procès de l'intelligence artificielle et de la voiture autonome — Conclusions aux fins de relaxe
Dalloz IP/IT, Dalloz, 2018

Peer-Reviewed

- Conferences 2019 **Arthur Gaudron**, Simon Tamayo & Arnaud de la Fortelle
Interactive Simulation For Collective Decision Making In City Logistics
11th International Conference on City Logistics, Jun 2019, Dubrovnik, Croatia
- 2019 Simon Tamayo, François Combes & **Arthur Gaudron**

- Unsupervised machine learning to analyse city logistics through Twitter
11th International Conference on City Logistics, Jun 2019, Dubrovnik, Croatia
- 2019 Raphael Benoit, Corine Gunot, Simon Tamayo, **Arthur Gaudron** & Frédéric Fontane
 Food open-air markets in Paris: transportation environmental issues
World Conference on Transport Research, May 2019, Mumbai, India
- 2018 **Arthur Gaudron**, Simon Tamayo & Arnaud de la Fortelle
 Interactive Simulation To Explore Urban Distribution Schemes
21st EURO Working Group on Transportation Meeting, Sep 2018, Braunschweig, Germany
- 2018 Apollinaire Barthe, Simon Tamayo & **Arthur Gaudron**
 Statistic regression and open data approach for identifying economic indicators that influence e-commerce
20th International Conference on Urban Transportation and City Logistics, May 2018, London, United Kingdom
- 2018 **Arthur Gaudron**, Simon Tamayo & Arnaud de la Fortelle
 Simulation de l'utilisation des aires de livraisons en ville par la méthode de Monte-Carlo
ATEC - Les rencontres de la mobilité intelligente 2018, Jan 2018, Paris, France
- 2017 Simon Tamayo, **Arthur Gaudron** & Arnaud de la Fortelle
 Loading/unloading spaces location and evaluation: an approach through real data
10th International Conference on City Logistics, Institute for City Logistics, Jun 2017, Phuket, Thailand
- 2017 Sarra Jlassi, Simon Tamayo & **Arthur Gaudron**
 Simulation applied to urban logistics: a state of the art
10th International Conference on City Logistics, Institute for City Logistics, Jun 2017, Phuket, Thailand
- 2017 Sarra Jlassi, Simon Tamayo, **Arthur Gaudron** & Arnaud de la Fortelle
 Simulating impacts of regulatory policies on urban freight: application to the catering setting
6th International Conference on Advanced Logistics and Transport, IEEE, Jul 2017, Bali, Indonesia

Non Peer-Reviewed

- Conferences Oct 2019 "Collaboration in city logistics using interactive simulation"
8th METRANS International Urban Freight Conference, 17th Oct 2019, Long Beach, USA
- Oct 2019 "Classifying logistic vehicles in cities using Deep learning"
8th METRANS International Urban Freight Conference, 17th Oct 2019, Long Beach, USA
- Feb 2019 The Future of Digital Intelligence – Ethics, Impact and Prudence
IFIM Business School and **IFIM Law School**, 26th February 2019, Bangalore, India
- Feb 2019 Law & Regulation of AI: A Global Perspective AD IDEM 2019 International Law Conference
IFIM Law School, 25th February 2019, Bangalore, India
- Feb 2018 Les données, base d'apprentissage de l'intelligence artificielle Cycle de conférences
 "Quelle régulation pour l'intelligence artificielle ?"
Université Paris Descartes, 8th February 2018, Paris, France
- Oct 2017 Mobile multi-depot vehicle routing problem
7th METRANS International Urban Freight Conference, Oct 2017, Long Beach, USA
- Feb 2017 Loading/Unloading Spaces Location And Evaluation
EURO Winter Institute on "Methods and Models in Transportation Problems", 14-23 Feb 2017, Bressanone, Italy

Teaching activities

- 2020 – now **MINES ParisTech**
Tutorat Mission Industriel
Mastère Spécialisé “Management Industriel des Systèmes Logistiques”
- 2016 – now **MINES ParisTech**
Decision Support System for cities, in charge of the week organization since 2020
ATHENS Week
- 2016 – now **ESSEC**
External Lecturer “Optimization and Decision Support”
ESSEC Grande Ecole - Master in Management (L3 level)
- 2019 – now **Université Paris-Dauphine**
External Lecturer “Data Science”
Master - Management et Organisations (M1 level)

Management Experience

- 2014 – now **Center for Robotics**
Coordination of administrative and communication tasks
- 2015 – now **Urban logistics Chair**
Support for the coordination of the chair sponsored by Renault, La Poste, POMONA, City of Paris and ADEME
- 2014 – now **Drive for All Chair**
Support for the coordination of the international research chair PSA Peugeot-Citroën – Safran – Valeo on automated driving for ground vehicles (with EPFL, Shanghai Jiao Tong University and UC Berkeley/PATH partners)
- 2019 **2019 IEEE Intelligent Vehicles Symposium**
Finance Chair of the conference (900+ attendees)
- 2014 – 2017 **SINETIC Project**
Coordinator of a public R&D project (FUI) for a large scale simulation for connected and autonomous vehicles with Oktal, Renault, ESI, All4tec, INRIA, IFSTTAR, EURECOM, Armines (budget 10+ M€)

Talks & Invitations

- Dec 2019 “Le procès du Ranking Social”
Assemblée Nationale, 4th December 2019, Paris, France
- Nov 2019 Workshop on City logistics
MINES ParisTech, 8th November 2019, Paris, France
- March 2019 “IA et Responsabilités” – Séminaire à destination des Instances Représentatives du Personnel
SECAFI, 22nd March 2019, Toulouse, France
- March 2019 Finale PSL de l’édition 2019 de Ma Thèse en 180 secondes
PSL University, 7th March 2019, Paris, France
- Oct 2018 “Le procès de l’intelligence artificielle et de la voiture autonome”
Court of Appeal of Paris, 5th October 2018, Paris, France
- Feb 2017 Bionumeric City — International Workshop
Cité des Sciences et de l’Industrie, 9th February 2017, Paris, France