

# 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 Barme, 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](#)

		<b>10th International Conference on City Logistics</b> , Institute for City Logistics, Jun 2017, Phuket, Thailand
	2017	Sarra Jlassi, Simon Tamayo, <b>Arthur Gaudron</b> & Arnaud de la Fortelle <u>Simulating impacts of regulatory policies on urban freight: application to the catering setting</u> <b>6th International Conference on Advanced Logistics and Transport</b> IEEE, Jul 2017, Bali, Indonesia
Non Peer-Reviewed Conferences	Oct 2019	"Collaboration in city logistics using interactive simulation" <b>8th METRANS International Urban Freight Conference</b> , 17th Oct 2019, Long Beach, USA
	Oct 2019	"Classifying logistic vehicles in cities using Deep learning" <b>8th METRANS International Urban Freight Conference</b> , 17th Oct 2019, Long Beach, USA
	Feb 2019	The Future of Digital Intelligence – Ethics, Impact and Prudence <b>IFIM Business School</b> and <b>IFIM Law School</b> , 26th February 2019, Bangalore, India
	Feb 2019	Law & Regulation of AI: A Global Perspective AD IDEM 2019 International Law Conference <b>IFIM Law School</b> , 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 ?" <b>Université Paris Descartes</b> , 8th February 2018, Paris, France
	Oct 2017	Mobile multi-depot vehicle routing problem <b>7th METRANS International Urban Freight Conference</b> , Oct 2017, Long Beach, USA
	Feb 2017	Loading/Unloading Spaces Location And Evaluation <b>EURO Winter Institute on "Methods and Models in Transportation Problems"</b> , 14-23 Feb 2017, Bressanone, Italy
Teaching activities	2020 – now	<b>MINES ParisTech</b> Option Système de production et logistique — ...
	2020 – now	<b>MINES ParisTech</b> Tutorat Mission Industriel <u>Mastère Spécialisé "Management Industriel des Systèmes Logistiques"</u>
	2016 – now	<b>MINES ParisTech</b> Decision Support System for cities, in charge of the week organization since 2020 ATHENS Week
	2016 – now	<b>ESSEC</b> External Lecturer "Optimization and Decision Support" <u>ESSEC Grande Ecole - Master in Management (L3 level)</u>
	2019 – now	<b>Université Paris-Dauphine</b> External Lecturer "Data Science" <u>Master - Management et Organisations (M1 level)</u>
Management Experience	2014 – now	<b>Center for Robotics</b> Coordination of administrative and communication tasks
	2015 – now	<b>Urban logistics Chair</b> Support for the coordination of the chair sponsored by Renault, La Poste, POMONA, City of Paris and ADEME
	2014 – now	<b>Drive for All Chair</b> 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	<b>2019 IEEE Intelligent Vehicles Symposium</b> Finance Chair of the conference (900+ attendees)
	2014 – 2017	<b>SINETIC Project</b> 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" <b>Assemblée Nationale</b> , 4th December 2019, Paris, France
	Nov 2019	Workshop on City logistics <b>MINES ParisTech</b> , 8th November 2019, Paris, France
	March 2019	"IA et Responsabilités" – Séminaire à destination des Instances Représentatives du Personnel <b>SECAFI</b> , 22nd March 2019, Toulouse, France
	March 2019	Finale PSL de l'édition 2019 de Ma Thèse en 180 secondes <b>PSL University</b> , 7th March 2019, Paris, France
	Oct 2018	"Le procès de l'intelligence artificielle et de la voiture autonome" <b>Court of Appeal of Paris</b> , 5th October 2018, Paris, France
	Feb 2017	Bionumeric City — International Workshop <b>PSL University</b> , 2nd February 2017, Paris, France

