

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
Teaching activities	2020 – now	MINES ParisTech Option Système de production et logistique — ...
	2020 – now	MINES ParisTech Tutorat Mission Industriel <u>Mastère Spécialisé "Management Industriel des Systèmes Logistiques"</u>
	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" <u>ESSEC Grande Ecole - Master in Management (L3 level)</u>
	2019 – now	Université Paris-Dauphine External Lecturer "Data Science" <u>Master - Management et Organisations (M1 level)</u>
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

	Oct 2019	<p>"Collaboration in city logistics using interactive simulation"</p> <p>8th METRANS International Urban Freight Conference, 17th Oct 2019, Long Beach, USA</p>
	Oct 2019	<p>"Classifying logistic vehicles in cities using Deep learning"</p> <p>8th METRANS International Urban Freight Conference, 17th Oct 2019, Long Beach, USA</p>
	March 2019	<p>"IA et Responsabilités" – Séminaire à destination des Instances Représentatives du Personnel</p> <p>SECAFI, 22nd March 2019, Toulouse, France</p>
	March 2019	<p>Finale PSL de l'édition 2019 de Ma Thèse en 180 secondes</p> <p>PSL University, 7th March 2019, Paris, France</p>
	Feb 2019	<p>The Future of Digital Intelligence – Ethics, Impact and Prudence</p> <p>IFIM Business School and IFIM Law School, 26th February 2019, Bangalore, India</p>
	Feb 2019	<p>Law & Regulation of AI: A Global Perspective AD IDEM 2019 International Law Conference</p> <p>IFIM Law School, 25th February 2019, Bangalore, India</p>
	Feb 2018	<p>Les données, base d'apprentissage de l'intelligence artificielle Cycle de conférences "Quelle régulation pour l'intelligence artificielle ?"</p> <p>Université Paris Descartes, 8th February 2018, Paris, France</p>
	Oct 2018	<p>"Le procès de l'intelligence artificielle et de la voiture autonome"</p> <p>Court of Appeal of Paris, 5th October 2018, Paris, France</p>
	Oct 2017	<p>Mobile multi-depot vehicle routing problem</p> <p>7th METRANS International Urban Freight Conference, Oct 2017, Long Beach, USA</p>
	Feb 2017	<p>Loading/Unloading Spaces Location And Evaluation</p> <p>EURO Winter Institute on "Methods and Models in Transportation Problems", 14-23 Feb 2017, Bressanone, Italy</p>
	Feb 2017	<p>Bionumeric City — International Workshop</p> <p>Cité des Sciences et de l'Industrie, 9th February 2017, Paris, France</p>
Publications		
Journals	2020	<p>Françoise Barbier-Chassaing, Élise Berlinski, Alexandre Ganachaud, Arthur Gaudron & Lorraine Paquin</p> <p><u>Le procès du ranking social - Conclusions pour M Vigi</u></p> <p>Dalloz IP/IT, Dalloz, 2020</p>
	2019	<p>Arthur Gaudron</p> <p><u>Trial of an AI: Empowering people to explore law and science challenges</u></p> <p>IFIM's International Journal on Law & Regulation of Artificial Intelligence & Robotics 2019, 1</p>
	2018	<p>Françoise Barbier-Chassaing, Jean-Baptiste Crabières & Arthur Gaudron</p> <p><u>Le procès de l'intelligence artificielle et de la voiture autonome — Conclusions aux fins de relaxe</u></p> <p>Dalloz IP/IT, Dalloz, 2018</p>
Conference	2019	<p>Arthur Gaudron, Simon Tamayo & Arnaud de la Fortelle</p> <p><u>Interactive Simulation For Collective Decision Making In City Logistics</u></p> <p>11th International Conference on City Logistics, Jun 2019, Dubrovnik, Croatia</p>
	2019	<p>Simon Tamayo, François Combes & Arthur Gaudron</p> <p><u>Unsupervised machine learning to analyse city logistics through Twitter</u></p> <p>11th International Conference on City Logistics, Jun 2019, Dubrovnik, Croatia</p>
	2019	<p>Raphael Benoit, Corine Gunot, Simon Tamayo, Arthur Gaudron & Frédéric Fontane</p> <p><u>Food open-air markets in Paris: transportation environmental issues</u></p> <p>World Conference on Transport Research, May 2019, Mumbai, India</p>
	2018	<p>Arthur Gaudron, Simon Tamayo & Arnaud de la Fortelle</p> <p><u>Interactive Simulation To Explore Urban Distribution Schemes</u></p> <p>21st EURO Working Group on Transportation Meeting, Sep 2018, Braunschweig, Germany</p>
	2018	<p>Apollinaire Barme, Simon Tamayo & Arthur Gaudron</p> <p><u>Statistic regression and open data approach for identifying economic indicators that influence e-commerce</u></p> <p>20th International Conference on Urban Transportation and City Logistics May 2018, London, United Kingdom</p>
	2018	<p>Arthur Gaudron, Simon Tamayo & Arnaud de la Fortelle</p> <p><u>Simulation de l'utilisation des aires de livraisons en ville par la méthode de Monte-Carlo</u></p> <p>ATEC - Les rencontres de la mobilité intelligente 2018, Jan 2018, Paris, France</p>
	2017	<p>Simon Tamayo, Arthur Gaudron & Arnaud de la Fortelle</p> <p><u>Loading/unloading spaces location and evaluation: an approach through real data</u></p> <p>10th International Conference on City Logistics, Institute for City Logistics, Jun 2017, Phuket, Thailand</p>
	2017	<p>Sarra Jlassi, Simon Tamayo & Arthur Gaudron</p> <p><u>Simulation applied to urban logistics: a state of the art</u></p> <p>10th International Conference on City Logistics, Institute for City Logistics, Jun 2017, Phuket, Thailand</p>
	2017	<p>Sarra Jlassi, Simon Tamayo, Arthur Gaudron & Arnaud de la Fortelle</p> <p><u>Simulating impacts of regulatory policies on urban freight: application to the catering setting</u></p> <p>6th International Conference on Advanced Logistics and Transport IEEE, Jul 2017, Bali, Indonesia</p>