

Curriculum Vitae

Fabien Tarissan

ISP - École Normale Supérieure de Paris-Saclay
4 av. des Sciences, 91190 Gif sur Yvette, France

Born on 27th of June 1978 in Tarbes (France)
French citizenship

e-mail : fabien.tarissan@ens-paris-saclay.fr
<http://tarissan.complexnetworks.fr>

Phone : + 33 1 81 87 53 59

Actual position

CNRS permanent researcher
Adjunct professor at ENS Paris-Saclay

Topics

- Networks, complex systems
- Graph theory, bipartite graphs, dynamic graphs
- Social sciences, law & computer science

Education

- 2006** PhD in Computer Science, "Étude d'un formalisme concurrent pour les phénomènes d'auto-organisation et la biologie moléculaire", laboratoire PPS – University Paris Diderot. Jury : Guy COUSINEAU (president), Vincent DANOS (supervisor), Nadia BUSI (referee), Jean-Louis GIAVITTO (referee), Alessandra CARBONE (referee).
- 2003** Master degree in Programmation (DEA) : Sémantique, Preuves et Langages, University Paris Diderot
- 2002** Master degree in Computer Science University Paris Diderot.
- 2001** Licence degree in Computer Science, University Paris Diderot.

Academic positions

- 2018 – ...** Adjunct professor at l'ENS Paris-Saclay.
- 2015 – ...** CNRS permanent researcher (CR1), member of ISP (Paris-Saclay University).
- 2009–2015** Associate professor in Computer Science, University Pierre and Marie Curie.
- 2007–2009** Postdoctoral position at LIX (École Polytechnique) and ISC-PIF (Complex Systems Institute), European project MORPHEX.
- 2006–2007** Postdoctoral position at the University of Bologna (Italy).
- 2003–2006** Teaching assistant in Computer Science, University Paris Diderot.

Long term research stays abroad

- Invited researcher, European University Institute, Florence (Italy), March 2017, February 2018, October 2019.
- Invited researcher, Univ. of Copenhagen (Denmark), March 2016, June 2017, April 2018.
- Postdoctorat, University of Bologna (Italy), 2006–2007.

Honor

- Best paper award in the Asia-Pacific Network Operations and Management Symposium (APNOMS'16), Kanazawa, Japan, 2016.
- Best paper award in the Interdisciplinary Symposium on Complex Systems (ISCS'13), Prague, Czech Republic, 2013.

PUBLICATIONS

Books (1)

Fabien Tarissan, *Au cœur des réseaux. Des sciences aux citoyens*, Paris, Le Pommier, 2019.

International Journals with Reviewing Committee (15)

- [1] **Measuring the effect of collaborative filtering on the diversity of users' attention.** Augustin Godinot, Fabien Tarissan, in *Applied Network Science*, 8, 1–18, Springer, 2023.
- [2] **Apport de la science des réseaux pour l'analyse des décisions de la Cour pénale internationale.** Raphaëlle Nollez-Goldbach, Fabien Tarissan, in *Jurimétrie, Revue de la mesure des phénomènes juridiques*, 1, 67–88, Presses Universitaires Savoie Mont Blanc, 2022.
- [3] **Measuring Diversity in Heterogeneous Information Networks.** Pedro Ramaciotti Morales, Robin Lamarche-Perrin, Raphaël Fournier-S'niehotta, Rémy Poulain, Lionel Tabourier, Fabien Tarissan, in *Theoretical Computer Science*, 859, 80–115, Elsevier, 2021.
- [4] **Bureaucrats or Ideologues ? EU Merger Control as Market-Centred Integration.** Sebastian Billows, Sebastian Kohl, Fabien Tarissan, in *Journal of Common Market Studies*, 59:4, 762–781, Wiley, 2021.
- [5] **Investigating the Lack of Diversity in User Behavior : the Case of Musical Content on Online Platforms.** Rémy Poulain, Fabien Tarissan, in *Information Processing & Management*, 57(2):102169, Elsevier, 2020.
- [6] **Centrality Metrics in Dynamic Networks : a Comparison Study.** Marwan Ghanem, Clémence Magnien, Fabien Tarissan, in *IEEE Transactions on Network Science and Engineering*, 2018.
- [7] **Rigorous Measurement of the Internet Degree Distribution.** Matthieu Latapy, Elie Rotenberg, Christophe Crespelle, Fabien Tarissan, in *Journal of Complex Systems*, Complex Systems Publication, 26:1, 2017.
- [8] **Analysing the first case of the International Criminal Court from a network-science perspective.** Fabien Tarissan, Raphaëlle Nollez-Goldbach, in *Journal of Complex Networks*, 4(4):616–634, Oxford University Press, 2016.
- [9] **Data-driven traffic and diffusion modeling in peer-to-peer networks : A real case study.** Romain Hollanders, Daniel Bernardes, Bivas Mitra, Jean-Charles Delvenne, Raphael Jungers, Fabien Tarissan, in *Network Science*, 2(3):341–366, Cambridge University Press, 2014.
- [10] **Towards a Bipartite Graph Modeling of the Internet Topology.** Fabien Tarissan, Bruno Quoitin, Pascal Mérindol, Benoit Donnet, Matthieu Latapy, Jean-Jacques Pansiot. In *Computer Networks*, 57(11):2331–2347, Elsevier, 2013.
- [11] **Inadequacy of SIR Model to Reproduce Key Properties of Real-world Spreading Phenomena : Experiments on a Large-scale P2P System.** Daniel Bernardes, Matthieu Latapy, Fabien Tarissan. In *Social Network Analysis and Mining*, 3(4):1195–1208, Springer, 2013.

- [12] **Towards realistic modeling of IP-level routing topology dynamics.** Clémence Magnien, Amélie Medem, Sergey Kirgizov et Fabien Tarissan, In *Networking Science*, 3(1–4):24–33, Springer, 2013.
- [13] **Evaluation of a New Method for Measuring the Internet Degree Distribution : Simulation Results.** Christophe Crespelle, Fabien Tarissan. In *Computer Communication*, 34(5):635–648, Elsevier, 2011.
- [14] **A simple calculus for proteins and cells.** Cosimo Laneve, Fabien Tarissan. In *Theoretical Computer Science*, 404(2):127–141, Elsevier, 2008.
- [15] **Self-assembling Graphs.** Vincent Danos, Fabien Tarissan. In *Natural Computing International Journal*, 6(3):339–358, Springer Verlag, 2006.

International Book Chapter with Reviewing Committee (2)

- [16] **The Relevance of the Network Approach to European Case Law. Reflexion and Evidence.** Urška Šadl, Fabien Tarissan. In *New Legal Approaches to Studying the Court of Justice*, Claire Kilpatrick and Joanne Scott (eds.), Collected Courses of the Academy of European Law Series, Oxford University Press, Springer, 2020.
- [17] **Reformulations in Mathematical Programming : A Computational Approach.** Leo Liberti, Sonia Cafieri, Fabien Tarissan. In *Foundations of Computational Intelligence, Vol. 3*, A. Abraham, A.-E. Hassanien, P. Siarry (eds.), Studies in Computational Intelligence series, 203:153–234, Springer, New York, 2009.

Proceedings of International Conferences with Reviewing Committee (31)

- [18] **Algorithmic Unfairness through the Lens of EU Non-Discrimination Law : Or Why the Law is not a Decision Tree.** Hilde J. P. Weerts, Raphaële Xenidis, Fabien Tarissan, Henrik Palmer Olsen, Mykola Pechenizkiy. In *Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency (FAccT 2023)*, Chicago, USA , 2023.
- [19] **Recommender systems increase exposure diversity. Or do they ? A complex networks approach.** Augustin Godinot, Fabien Tarissan. In *Proceedings of the 10th International Conference on Complex Networks and their Applications*, Madrid, Spain, 2021.
- [20] **A random model that relies on maximal bicliques to preserve the overlaps in bipartite networks.** Fabien Tarissan, Lionel Tabourier. In *Proceedings of the 8th International Conference on Complex Networks and their Applications*, Lisbon, Portugal, 2019.
- [21] **Quantifying the diversity in users activity : an example study on online music platforms.** Rémy Poulain, Fabien Tarissan. In *Proceedings of the IEEE Fifth International Conference on Social Networks Analysis, Management and Security (SNAMS'18)*, IEEE, Valencia, Spain, 2018.
- [22] **ComSim : A bipartite community detection algorithm using cycle and node's similarity.** Raphaël Tackx, Fabien Tarissan, Jean-Loup Guillaume. In *Proceedings of the 6th International Conference on Complex Networks and Their Applications (Complex Networks'17)*, Studies in Computational Intelligence, 689 :278–289, Springer, 2018.

- [23] **How to exploit structural properties of dynamic networks to detect nodes with high temporal closeness** . Marwan Ghanem, Clémence Magnien, Fabien Tarissan. In *Proceedings of the Cologne-Twente Workshop on Graphs and Combinatorial Optimization 2018 (CTW'18)*, 2018.
- [24] **Giving every case its (legal) due. The contribution of citation networks and text similarity techniques to legal studies of European Union law.** Yannis Panagis, Urska Sadl, Fabien Tarissan. In *Proceedings of the 30th International Conference on Legal Knowledge and Information Systems (JURIX'17)*, Frontiers in Artificial Intelligence and Applications, 302 :59–68, IOS Press, 2017.
- [25] **Exploiting the Bipartite Structure of Entity Grids for Document Coherence and Retrieval.** Christina Lioma, Fabien Tarissan, Jakob Grue Simonsen, Casper Petersen, Birger Larsen . In *ACM International Conference on the Theory of Information Retrieval (ICTIR)*, Newark, DE, USA, 2016.
- [26] **Selecting the cases that defined Europe : complementary metrics for a network analysis** . Fabien Tarissan, Yannis Panagis, Urška Šadl , In *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, San Francisco, CA, USA, 2016.
- [27] **Identification of Case Content with Quantitative Network Analysis : an Example from the ECtHR.** Martin Lolle Christensen, Henrik Palmer Olsen, Fabien Tarissan. In *Proceedings of the 29th International Conference on Legal Knowledge and Information Systems (JURIX'16)*, Nice, France, 2016.
- [28] **P2PTV Multi-channel Peers Analysis.** Marwan Ghanem, Olivier Fourmaux, Fabien Tarissan, Takumi Miyoshi. *The 18th Asia-Pacific Network Operations and Management Symposium (APNOMS'16)*, IEEE, Kanazawa, Japan, 2016. [best paper]
- [29] **TreeNET : Discovering and Connecting Subnetworks** . Jean-François Grialet, Fabien Tarissan, Benoit Donnet. *IFIP Traffic Monitoring and Analysis workshop (TMA 2016)*, Louvain La Neuve, Belgique, 2016.
- [30] **Temporal properties of legal decision networks : a case study from the International Criminal Court.** Fabien Tarissan, Raphaëlle Nollez-Goldbach. In *Proceedings of the 28th International Conference on Legal Knowledge and Information Systems (JURIX'15)*, Braga, Portugal, 2015.
- [31] **Revealing intricate properties of communities in the bipartite structure of online social networks** . Raphaël Tackx, Jean-Loup Guillaume, Fabien Tarissan. In *Proceedings of the IEEE Ninth International Conference on Research Challenges in Information Science (RCIS'15)*, Athènes, Grèce, 2015.
- [32] **Time Evolution of the Importance of Nodes in dynamic Networks.** Clémence Magnien, Fabien Tarissan. In *International Symposium on Foundations and Applications of Big Data Analytics (FAB'15)*, in conjunction with ASONAM, Paris, France, 2015.
- [33] **Measuring the Degree Distribution of Routers in the Core Internet.** Matthieu Latapy, Elie Rotenberg, Christophe Crespelle, Fabien Tarissan. In *Proceedings of the IFIP Networking 2014 Conference*, pp. 1–9, Trondheim, Norvège, IEEE, 2014.
- [34] **Comparing overlapping properties of real bipartite networks.** Fabien Tarissan. In *Proceedings of the Interdisciplinary Symposium on Complex Systems (ISCS'14)*, Emergence, Complexity and Computation, 14:309–318, Springer, 2014.

- [35] **UDP Ping : a dedicated tool for improving measurements of the Internet topology.** Fabien Tarissan, Elie Rotenberg, Matthieu Latapy, Christophe Crespelle. In *Proceedings of the IEEE 22nd International Symposium on Modeling Analysis and Simulation of Computer and Telecommunication Systems (MASCOTS'14)*, Paris, France, 2014.
- [36] **On the relevance of the edge-Markovian evolving graph model for real mobile networks.** Aurélie Faure de Pebeyre, Fabien Tarissan et Julien Sopena. In *Proceedings of the IFIP Wireless Days conference (WD'13)*, Valence, Espagne, 2013.
- [37] **Method of reliability and availability analysis - From the dynamic properties of routing and forwarding paths.** Dimitri Papadimitriou, Davide Careglio, Fabien Tarissan, Piet Demeester. In *Proceedings of the International Workshop on Reliable Networks Design and Modeling (RNDM'13)*, pp. 222–228, 2013. [invited paper]
- [38] **The network of the International Criminal Court decisions as a complex system.** Fabien Tarissan, Raphaëlle Nollez-Goldbach. In *Proceedings of the Interdisciplinary Symposium on Complex Systems (ISCS'13)*, Emergence, Complexity and Computation, 8:255–264, Springer, 2013. [best paper]
- [39] **Internet routing paths stability model and relation to forwarding paths.** Dimitri Papadimitriou, Davide Careglio, Fabien Tarissan, Piet Demeester. In *Proceedings of the the 9th International Conference on Design of Reliable Communication Networks (DRCN 2013)*, pp. 20–27, 2013.
- [40] **Relevance of SIR model for real-world spreading phenomena : experiments on a large-scale P2P system.** Daniel Bernardes, Matthieu Latapy, Fabien Tarissan. In *Proceedings of the 2012 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM 2012)*, pp. 327–334, 2012.
- [41] **Impact of power-law topology on IP-level routing dynamics : simulation results.** Amélie Medem, Clémence Magnien, Fabien Tarissan. In *Proceedings of the Fourth IEEE International Workshop on Network Science for Communication Networks (NetSciCom'12)*, pp. 220–225, 2012.
- [42] **Efficient Measurement of Complex Networks Using Link Queries.** Fabien Tarissan, Matthieu Latapy, Christophe Prieur. In *Proceedings of the First IEEE International Workshop on Network Science For Communication Networks (NetSciCom'09)*, 2009.
- [43] **Inferring Update Sequences in Boolean Gene Regulatory Networks.** Fabien Tarissan, Camilo La Rota. In *Proceedings of the Cologne-Twente Workshop on Graphs and Combinatorial Optimization 2009 (CTW'09)*, 2009.
- [44] **Network reconstruction : a mathematical programming approach.** Fabien Tarissan, Camilo La Rota, Leo Liberti. In *Proceedings of the European Conference on Complex Systems (ECCS'08)*, 2008.
- [45] **Inferring parameters in genetic regulatory networks.** Camilo La Rota, Fabien Tarissan, Leo Liberti. In *Proceedings of the Latin American Conference on Operational Research (CLAIO'08)*, 2008.
- [46] **Self-assembling Trees.** Vincent Danos, Jean Krivine, Fabien Tarissan. In *Proceedings of the Workshop on Structural Operational Semantics (SOS'06)*, *Electronic Notes in Theoretical Computer Science*, 175(1):19–32, Elsevier, 2007.
- [47] **A simple calculus for proteins and cells.** Cosimo Laneve, Fabien Tarissan. In *Proceedings of the Workshop on Membrane Computing and Biologically Inspired Process Calculi (MeCBIC'06)*, *Electronic Notes in Theoretical Computer Science*, 171(2):139–154, Elsevier 2007.

- [48] **Self-assembling Graphs.** Vincent Danos, Fabien Tarissan. In *Proceedings of the International Work-conference on the Interplay between Natural and Artificial Computation (IWINAC 05)*, Lecture Notes in Computer Sciences, 3561:498–507, Springer, 2005.

French Conferences with Reviewing Committee (7)

- [49] **Comparaison de mesures de centralité basées sur les plus courts chemins dans les réseaux dynamiques.** Marwan Ghanem, Clémence Magnien and Fabien Tarissan. In *18ème Conférence Internationale sur l'Extraction et la Gestion des Connaissances (EGC'18)*, 2018.
- [50] **Structures biparties et communautés recouvrantes des graphes de terrains.** Raphaël Tackx, Maximilien Danisch, Fabien Tarissan. In *Acte de la 5ème Journées Modèles et l'Analyse des Réseaux : Approches Mathématiques et Informatique (MARAMI'14)*, 2014.
- [51] **Évaluation du modèle évolutif par arête-markovienne pour reproduire la dynamique des réseaux mobiles.** Aurélie Faure de Pebeyre, Fabien Tarissan, Julien Sopena. In *Acte de la 4ème Journées Modèles et l'Analyse des Réseaux : Approches Mathématiques et Informatique (MARAMI'13)*, 2013.
- [52] **Un modèle pour les graphes bipartis aléatoires avec redondance.** Émilie Coupechoux, Fabien Tarissan. In *Acte de la 4ème Journées Modèles et l'Analyse des Réseaux : Approches Mathématiques et Informatique (MARAMI'13)*, 2013.
- [53] **Studying the impact of measurement frequency on the IP-level routing topology dynamics.** Sergey Kirgizov, Clémence Magnien et Fabien Tarissan. In *Proceedings of Grets'i'13*, 2013.
- [54] **Examining Key Properties of Diffusion Models for Large-Scale Real-World Networks.** Daniel Bernardes, Matthieu Latapy, Fabien Tarissan. In *Proceedings of Algotel'12 (Quatorzièmes Rencontres Francophones sur les aspects Algorithmiques des Télécommunications)*, 2012.
- [55] **Towards realistic modeling of IP-level routing topology dynamics.** Clémence Magnien, Amélie Medem, Fabien Tarissan. In *Proceedings of Algotel'12 (Quatorzièmes Rencontres Francophones sur les aspects Algorithmiques des Télécommunications)*, 2012.

TALKS

Invited talks in conferences & workshop

- **Invited speaker** at the workshop *Qualifier l'interdisciplinarité : vocabulaire, réseaux, outils et indicateurs*, DIM PAMIR, Sorbonne Université, 2023.
- **Invited speaker** at the workshop *Algorithmes d'aide à la décision publique*, SIF, Bordeaux, 2022.
- **Invited speaker** at the conference *Réseaux sociaux et droits de l'homme : quel(s) droit(s) pour quelle protection ?*, CRDH, Université Paris-Panthéon-Assas, 2022.
- **Invited speaker** at the workshop *EU law through the lens of data and computational analysis*, i-Court, Copenhagen, 2022.
- **Invited speaker** at the workshop *Comment le droit du numérique peut-il réguler la crise de l'attention ?*, Université Paris 1 Panthéon-Sorbonne, Station F, Paris, 2021.
- **Keynote** at the workshop *Big Data in the Counter-Terrorism Context : Uses and Boundaries*, Asser Institute & ICCT, Pays-Bas, 2021.
- **Invited speaker** at the workshop *Philosophie des science et Intelligence Artificielle*, Paris, 2020.
- **Invited speaker** at the workshop on *Sex, gender and sexual preferences facing algorithmic biases*, Université Paris 1 Panthéon-Sorbonne, 2020.
- **Invited speaker** at the workshop *Social Responsibility of Algorithms*, LAMSADE, Univ. Paris Dauphine, Paris, 2019.
- **Invited speaker** at the congrès of the *Association des Enseignants de Communication en IUT (AECiut)*, Paris, 2019.
- **Invited speaker** at the conference *Un monde judiciaire augmenté par l'intelligence artificielle ?*, Cour de Cassation, Palais de Justice, Paris, 2019.
- **Invited speaker** at the inaugural conference of the *l'International Society of Public Law (ICON-S 2018)*, Rome, Italy, 2018.
- **Keynote** at the *NoLesLaw* workshop, University of Helsinki, Finland, 2018.
- **Invited speaker** at the workshop *New Legal Approaches to Studying the Court of Justice*, European University Institute (EUI), Florence, Italy, 2018.
- **Invited speaker** at the conference *La justice prédictive – Droit et mathématiques / informatique*, École Normale Supérieure, Paris, 2018.
- **Invited speaker** at the *Sixth International Workshop on Social Network Analysis (ARS'17)*, Naples, Italy, 2017.
- **Invited speaker** at the workshop *Empirical legal studies*, Umea, Sweden, 2017.
- **Invited speaker** at the workshop *Network Analysis of International Law*, Graduate Institute of International and Development Studies, Geneva (Switzerland), 2016.
- **Invited speaker** at the workshop *Réseaux et Histoires*, Université Sorbonne Paris Cité, Paris, 2015.
- **Invited speaker** at the workshop *Complexité et politiques publiques*, Université Lyon 3 Jean Moulin, Lyon, France, 2015.
- **Invited speaker** at the colloquium *Mission pour l'interdisciplinarité*, CNRS, Paris, 2015.
- **Invited speaker** at the workshop *Complex Networks & Dynamics*, Le Havre, France, 2014.
- **Invited speaker** at the workshop *Systèmes complexes & Télécoms*, Orange Lab, Paris, 2014.
- **Invited speaker** at the workshop *Dynamics on and of complex networks VI (DOOCN)* co-located with the *European Conference on Complex Systems (ECCS)*, Barcelona, Spain, 2013.
- **Invited speaker** at the workshop *Dynamics on and of complex networks IV (DOOCN)*

- co-located with the *European Conference on Complex Systems (ECCS)*, Lisbonne, Portugal, 2010.
- **Invited speaker** at the inauguration of the Chair Orange - Paris Descartes, Faculté de Médecine, Université Paris Descartes (France), 2007.
- **Invited speaker** at the workshop ACI VicAnne, Paris, 2006.

Interventions in training programs & thematic schools

- **Lecturer** at the *Summer School on Artificial Intelligence*, CentraleSupélec, 2023.
- **Lecturer** for the national training program *Impact de la transformation numérique sur les métiers de greffe*, École Nationale de Greffes (ENG), 2022.
- **Lecturer** for the training seminar *M2 Cyberjustice*, Univ. de Strasbourg, 2022.
- **Lecturer** for the national training program on *Digital transition* of the Institute for Advanced Studies in Science and Society (IHEST), Paris, 2020.
- **Lecturer** for the training seminar *Justice : humaines imperfections ou perfection inhumaine ?*, Syndicat de la Magistrature, Boulogne-sur-mer, 2019.
- **Lecturer** for the national training program *Enquête à l'heure des nouvelles technologies* of the Institute for Advanced Studies of the Home Affairs Ministry (IHEMI) and the French National School for the Judiciary (ENM), 2019.
- **Lecturer** for the thematic school *Network analysis and complexity*, Cargèse, 2018.
- **Lecturer** for the workshop on *algorithmic justice* of the Institute for Advanced Studies in Science and Society (IHEST), Paris, 2018.
- **Lecturer** at the summer school *École d'été de Lille en Méthodes Quantitatives des Sciences Sociales (Quantilille'18)*, Lille, France, 2018.
- **Lecturer** for the program *Interdisciplinary Approaches of Research and Education / Frontiers of Digital Science*, Centre de Recherche interdisciplinaires, Paris, 2017.
- **Lecturer** at the *Academy of European Law Summer School : Law of the European Union*, European University Institute (EUI), Florence, Italie, 2017.
- **Lecturer** at the summer school *École d'été de Lille en Méthodes Quantitatives des Sciences Sociales (Quantilille'16)*, Lille, France, 2016.
- **Lecturer** for the Paris school district of secondary teachers of the speciality *Computer Science* (ISN) for the bachelor degree in science, 2011–2013.
- **Lecturer** at the summer school *École Interdisciplinaire d'Échange et de Formation en Biologie*, Berder, France, 2005.

Scientific mediation & medias

- **Facilitator** during the camp « *Les réseaux en science* » , conference and unplugged activities with classes (9th and 10th grades), *Science Ouverte* association, Seine Saint-Denis, 2023.
- **Facilitator** of computer science activities with 9th grades, *F93* association, Montreuil, 2021–2023.
- **Facilitator** of unplugged computer science activities in schools (8th and 9th grades) for the program *Parcours Science* of the French Association for Science, Technology and Society (ASTS), Paris, 2020–2023.
- **Article** *Les systèmes de recommandation favorisent-ils la diversité ?* for magazine *Interstice*, INRIA, 2022.
- **Article** *L'expo Réseaux-Monde au Centre Pompidou* for the blog *Binaire*, LeMonde.fr, 2022.
- **Lecturer** and **facilitator** of unplugged computer science activities during the *French Science Festival*, Georges Brassens library, Paris, 2020.
- **Invited** of the radio show *Libre à vous*, Cause commune, 2020.

- **Production** of an audio clip on *Digital Tracking for Contact Tracing* for the radio show *France Info* as part of the program *5 minutes pour réviser*, 2020.
- **Facilitator** of unplugged computer science activities during the workshop *Unplugged Computer Science*, Gaîté Lyrique, Paris, 2019.
- **Lecturer** during the French festival *Des sciences, des livres*, library of Charanton-Le-Pont, 2020.
- **Article** for the magazine *Interstice* (INRIA) and the blog *Binaire* (LeMonde.fr), 2020.
- **Interview** for the magazine *Vivre au Lycée*, 2019.
- **Lecturer** and **facilitator** of unplugged computer science activities during the French festival *Numéricité*, George Sand library, L’Haÿ-Les-Roses, 2019.
- **Interview** pour le magazine *Management*, 2019.
- **Invited** of the radio show *Recherche en cours*, Aligre FM, 2019.
- **Invited** of the radio show *Autour de la Question*, RFI, 2019 .
- **Facilitator** for the *Class’Code* program, 2016–2019.
- **Facilitator** of computer science projects as part of the *Les Savanturiers* program (5th and 6th grades), 2016–2018.
- **Facilitator** of unplugged computer science activities in kindergarten, Paris, 2017.
- **Facilitator** of unplugged computer science activities during the *French Science Festival*, UPMC, 2013.

Conferences and seminars

- Seminar *Art, création et cognition*, ENS, Paris, 2023.
- Seminaire *Digital Environment Research Institute (DERI)*, London, 2022.
- Seminar *e-juris*, Centre Max Weber, Lyon, 2022.
- Seminar *Systèmes complexes en sciences sociales*, EHESS, 2022.
- Seminaire *Jurimétrie*, Univ. Savoie Mont Blanc, 2022.
- Seminar of the *Center for Internet and Society*, CIS, Paris, 2021.
- Seminar *Les sciences sociales sur un plateau*, Institut Télécom, Saclay, 2021.
- Webinar *L’Intelligence Artificielle en procès*, Institut Présaje, Paris, 2021.
- *Happy Hour Conference*, Institut des Systèmes Complexes de Paris Île-de-France, Paris, 2021.
- Webinar *Artificial Intelligence & Law*, European University Institute, Florence, 2020.
- *18ème déjeuner-conférence de Nanterre*, TGI de Nanterre, 2020.
- Seminar *Les Petits Déjeuners Durkheim* de l’ENS Paris-Saclay, 2020.
- Seminar *Droit et mathématiques* (Law & mathematics) from the Institute for advanced studies in Law (IHEJ), Paris, 2020.
- Seminar *PoSST-Droit*, ISP, ENS Paris-Saclay, 2020.
- Seminar *Artificial Intelligence & Social Networks*, MICS, CentraleSupélec, 2019.
- Seminar *PoSST-Droit*, ISP, ENS Paris-Saclay, 2019.
- Seminar at *Quant research*, Paris, 2019.
- Doctoral seminar on *Network analysis and applications : an interdisciplinary approach*, Université Aix-Marseille, 2019.
- *Journée des Nouveaux Arrivants* (New Entrants Day) of the Court of Appeal of Versailles, Versailles, 2019.
- Seminar *Quantitativisme Réflexif*, IDHES, ENS Paris-Saclay, Cachan, 2018.
- Research seminar at Institut Nationale de l’Audiovisuel (INA), 2018.
- Seminar *Sociologie des réseaux sociaux*, Master, École Normale Supérieur, Paris 2018.
- Workshop *Le pouvoir des algorithmes*, MSH Paris-Saclay, Cachan, 2017
- Seminar at the *Danish National Research Foundation’s Centre of Excellence for International Courts (iCourt)*, University of Copenhagen, Danemark, 2017.
- Seminar at *Département d’informatique de l’ENS Rennes*, Rennes, 2016.

- Workshop *Law & Complexity* co-located with the *Conference on Complex Systems (CCS)*, Amsterdam, Netherland, 2016.
- Seminar at the *Information Retrieval Lab*, University of Copenhagen, Danmark, 2016.
- Seminar at the *Danish National Research Foundation's Centre of Excellence for International Courts (iCourt)*, University of Copenhagen, Danmark, 2016.
- Seminar at *Laboratoire Spécification et Vérification (LSV)*, Ens Cachan, Cachan, 2016.
- International Conference *JURIX*, Braga (Portugal), 2015.
- Seminar at *Centre de Mathématiques et de Leur Applications (CMLA)*, Ens Cachan, Cachan, 2015.
- Seminar *Modèle et Algorithme Déterministes*, Laboratoire Jean Kuntzmann (LKJ), Grenoble, 2014.
- International Conference *IFIP Wireless Days*, Valencia, Spain, 2013.
- International Conference *Interactions in Complex Systems (ICS)*, Orléans, 2013.
- *Interdisciplinary Symposium on Complex Systems (ISCS)*, Prague, Czech Republic, 2013
- Conference on *Modèles et Analyse des Réseaux : Approches Mathématiques et Informatiques (MARAMI'13)*, Saint-Etienne, 2013
- Workshop *Temporal Networks in Human Dynamics (TNETS)*, Barcelona (Spain), 2013.
- Workshop on *Complexity in social systems : from data to models*, Cergy Pontoise, 2013.
- Seminar of team "Réseaux", Icube, Strasbourg, 2013.
- Seminar "Graphes et structures discrètes", LIP, Lyon, 2013.
- *Cologne-Twente Workshop on Graphs and Combinatorial Optimization (CTW)*, Paris, 2009.
- Seminar at LIFL, Lille, 2009.
- Seminar at IBISC, Evry, 2009.
- Seminar at Bioinformatique team, LRI, Orsay, 2009.
- Seminar at Symbiose team, IRISA, Rennes, 2009.
- *European Conference on Complex Systems (ECCS)*, Jerusalem, Israel, 2008.
- *International Symposium on Networks in Bioinformatic*, Amsterdam, Netherland, 2008.
- Workshop Optimeo, Université Paris-Sud XI, Orsay, 2008.
- Workshop *Automatic Reformulation Search (ARS)*, LIX, Paris, 2008.
- Seminar at Complex Networks team, LIP6, Univ. Paris 6, 2008.
- Workshop *Modélisation, optimisation et analyse statique*, CIRM, France, 2008.
- Arc MOCA, Institut Henri Poincaré, Paris, 2007.
- Seminar at IBISC, Université d'Évry-Val d'Essonne, 2007.
- Seminar at University of Bologna, Italy, 2006 and 2007.
- Workshop *Membrane Computing and Biologically Inspired Process Calculi (MeCBIC)*, Venice, Italy, 2006.
- Workshop *Structural Operational Semantics (SOS)*, Bonn, Germany, 2006.
- International conference *Interplay between Natural and Artificial Computation (IWINAC)*, Canary Islands, Spain, 2005.
- Workshop *Graphes, Réseaux et Modélisation*, ESPCI, Paris, 2003.

Posters

- **Information-theoretic Compression of Weighted Graphs.** Robin Lamarche-Perrin, Lionel Tabourier, and Fabien Tarissan. *Networks : learning, information and complexity*, IHP, Paris, 2016.
- **Real-world Diffusion Phenomena in Complex Networks.** Daniel Bernardes, Matthieu Latapy, Fabien Tarissan. *European Conference on Complex Systems (ECCS)*, Vienne (Autriche), 2011.
- **On the Dynamics of Routing Trees from an Ego-centered point of view.** Amélie Medem, Fabien Tarissan, Clémence Magnien, Matthieu Latapy. *Rescom, École d'été*,

- La Palmyre (France), 2011.
- **Identification of Qualitative Genetic Regulatory Network Models by a Mathematical Programming Approach.** Camilo La Rota, Fabien Tarissan. *European Conference on Complex Systems (ECCS)*, Warwick (UK), 2009
 - **Arabidopsis carpel genetic regulatory network modeling and reconstruction.** Camilo La Rota, F. Monéger, Fabien Tarissan, Leo Liberti, et Michel Morvan. *International Symposium on Networks in Bioinformatics (ISNB)*, Amsterdam (Pays-bas), 2008
 - **Self-assembling Trees.** Vincent Danos, Jean Krivine, Fabien Tarissan. *International Conference on Artificial Evolution*, Lille (France), 2005.

RESPONSABILITIES

Project leadership

- Leader of the ALGOJUST project, scheme *Aide à la Décision 2023*, funded by CNRS, 2023–2025.
- Leader of the project RÉCITAL (*Citation network for analysing corpus of judicial decisions in international law*, CNRS project, International Scientific Collaboration Project (PICS scheme), 2018–2020.
- Leader of the project EMOJI (*Explanability of predictive models for law*), CNRS project, PEPS S2IH scheme, 2018.
- Leader of the project DORÉ (*Law and Multi-level Networks*), CNRS project, PEPS HuMaIn scheme, 2013 and 2014.
- Project Investigator (PI) of UPMC for the European project EULER (*Experimental UpdateLess Evolutive Routing*), funded by the European Community, scheme Future Internet Research and Experimentation (FIRE/STREP), 2010–2014.
- Leader of the project DYNGO, LIP6 project, 2013.
- Leader of the project *Dynamics of contact networks*, LIP6 project, 2011.

Member of projects and scientific networks

- Member of the project APY, French National Agency for Research (ANR), PRCE scheme, leader Bilel Benbouzid, 2020–2024.
- Member of the project ALGODIV (*Information diversity and Algorithmic Recommendation*), French National Agency for Research (ANR), PRC scheme, leader Camille Roth, 2016–2019.
- Member of the international research network NOLESLAW (*Network of legal empirical scholars*), 2017–2020.
- Member of the French research network NOST (*Norm, Science and Technology*), since 2016.
- Member of the Complex Systems Society (CSS) since 2010.
- Member of the French research network AR-SHS (*Social Network Analysis*), 2016–2019.
- Member of the French research network MIT (*Modelling Temporal Interactions*), thematic pole of the CNRS Institute for Communication Sciences (ISCC), 2015–2018.
- Member of the project DYNGRAPH (*Dynamics of Graph Topologies*), French National Agency for Research (ANR), JCJC scheme, leader Clémence Magnien, 2010–2013.
- Member of the European project MORPHEX, NEST/STREP scheme, leader Michel Morvan, 2007–2009.
- Member of the French National Network of Complex Systems (RNSC), 2009–2015.
- Member of ARC MOCA, 2006–2007.

Board membership

- Elected board member of the French Society for Computer Science (SIF), vice-president in charge of scientific mediation, 2016–2021.
- Board member of the Complex System Institute of Paris (ISF-PIF), 2017–2021.
- Leader of the action *Numérique et dynamiques institutionnelles et professionnelles* for the French Research Program *Sciences Informatiques, Humaines et Sociales* of CNRS (SIHS, FR2002), since 2019.
- Member of the editorial committee of the French journal ARCS, 2016–2020.
- Elected member of the Laboratory Council of LIP6, UPMC, 2014–2015.
- Leader of the Computer Science Colloquium of UPMC, 2013–2015.

- Deputy member of the Scientific Council of LIP6, UPMC, 2011–2015.

Jury & evaluation committee

- Member of the **jury de Capes** Numérique et Science Informatique (jury delivering the *secondary school teaching certificate in computer science*, design and correction of the exams, 2019–2023).
- Member of the **jury for the Gilles Kahn Award** (French Thesis Award in computer science), delivered by the SIF, 2017–2020.
- Member of **selection committees for research positions** : ENSTA (2017), IRIF (2018), UNISTRA (2019), UNISTRA (2021).
- Member of **thesis committees** : Béatrice Mazoyer (Paris-Saclay University, 2020), Lionel Houssou (Univ. La Rochelle, 2021).
- Member de **Ph.D. advisor committees** : Thomas Bourgeau (UPMC, 2011), Ruijing Hu (UPMC, 2012), Oana Iova (Univ. Strasbourg, 2013), François Clad (Univ. Strasbourg, 2013), Adel Ait-hamlat (UPMC, 2016), Louis Verny (UPMC, 2016), Catalina Obando (UPMC, 2017), Anthony Saillard (ENS Paris-Saclay, 2020), Arnaud Farrugia (ENS Paris-Saclay, 2020), Morgane Barey (ENS Paris-Saclay, 2020), Robin Leconte (ENS Paris-Saclay, 2020), Ronan Bretel (ENS Paris-Saclay, 2020), Yinting Ma (ENS Paris-Saclay, 2020), Tim Faverjon (2023), Augustin Gaudinot (2023), Géraud Faye (2023).
- Member of **committees for scientific calls** : *Joint-Programm Inter Carnot Fraunhofer* (ANR & BMBF, 2011), Call of the French National Research Agency (ANR, CE 38, 2018), *UCPH Data+* (Univesity of Copenhagen, 2019), *Covid-19* (Paris-Saclay Univesity, 2020).
- Member of the scientific council for the *Digital Technology Meetings Awards 2016*, French National Agency for Research (ANR), 2016.
- Reviewer for the following international journals : *IEEE/ACM Transactions on Networking (ToN)*, *Computer Networks*, *Theoretical Computer Science (TCS)*, *Complex Networks*, *Computer Communication*, *IEEE Journal on Selected Areas in Communications (JSAC)*, *Discrete Applied Mathematics (DAM)*, *Physica A*, *Information and Computation*, *EPJ Data Science*, *IEEE Transactions on Network and Service Management*, *Computational Systems Biology*, *IEEE Transactions on Computational Systems Biology*.

Expertise

- Member of the expert group dedicated to *social networks*, Conseil d’Etat, 2022.
- Hearing by the French National Consultative Commission on Human Rights (Commission Nationale Consultative des Droits de l’Homme, CNCDH), task force dedicated to *Impact of AI on fundamental rights*, 2021.
- Member of the task force dedicated to the *fight against filter bubble phenomena*, legislative amendment, French National Assembly, 2021.
- Hearing by the French National Consultative Commission on Human Rights (Commission Nationale Consultative des Droits de l’Homme, CNCDH), task force dedicated to *online hate speech*, 2020.

Scientific events

- Co-organiser of the workshop *Whose Data? The New Individual and New Collective in the Digital World* part of the conference *Computers, Privacy and Data Protection (CPDP’23)*, Belgique, 2023.
- Member of the organizing committe of the French event *Scientifiques, journalistes, politiques : le bon, la brute et le truand ?*, *Science & Média*, Bibliothèque Nationale de France (BnF), 2023.
- Member of the organizing committe of the French workshop *Les algorithmes d’aide à la décision publique*, SIF, Bordeaux, 2022.

- Member of the organizing committee of the French event *Raconter la science en temps de crise, Science & Média*, Bibliothèque Nationale de France (BnF), 2022.
- Member of the organizing committee of the French event *Femmes scientifiques à la Une!*, Science & Média, Bibliothèque Nationale de France (BnF), 2021.
- Member of the organizing committee of the French workshop *Pandématique : lorsque pandémie et informatique se rencontrent*, SIF, 2020.
- Co-organiser of the session entitled *Network Science & Law* in the *XL Sunbelt Conference*, Paris, France, 2020.
- President of the organizing committee of the *Computer Science unplugged* workshop, SIF, Gaîté Lyrique, 2019.
- Member of the scientific committee of the French thematic school *Analyse de réseaux et complexité* (network analysis and complexity), Cargèse, 2018.
- Co-organiser of the session entitled *Network Science & Law* at the *XXXVIII Sunbelt Conference*, Utrecht, Netherlands, 2018.
- Member of the organizing committee of the training program *Médiation scientifique en informatique* (Scientific mediation in computer science), SIF, Toulouse, 2018.
- President of the organizing committee of the *Congrès SIF 2018 : l'informatique au carrefour des sciences*, Palais de la Découverte & Sorbonne Université, 2018.
- Organiser on the behalf of SIF for the workshop *Une éthique des algorithmes : une exigence morale et un avantage concurrentiel*, co-organised with the CERNA and CNIL, Institut Mines-Telecom, 2017.
- Co-organiser of the workshop *Données personnelles et sensibles. Quels enjeux pour la recherche en SHS ?*, ISP, 2017.
- Co-organizer of the lab seminar *Analyse de données en sciences sociales*, ISP, since 2017–2019.
- Co-organiser of the session entitled *Network Science & Law* co-located with the *European Conference on Social Networks (EUSN'17)*, Mainz, Germany, 2017.
- Co-organiser of the intensive seminar *The Network Approach to (Case) Law*, European University Institute (EUI), Florence, Italie, 2016.
- Leader of the organizing committee of the conference *Modèles et l'Analyse des Réseaux : Approches Mathématiques et Informatique (MARAMI)*, UPMC, Paris, 2014.
- Co-organizer of the workshop on *Dynamics of graphs*, UPMC, Paris, 2012.
- In charge of the team seminar for COMPLEXNETWORKS, LIP6 – UPMC, 2009 – 2011.
- Member of organising committee of the international conference *Graph Theory and Combinatorial Optimization 2009 (CTW09)*, CNAM, Paris, 2009.

Member of Program Committees

- **International conferences** : COMPLEXNETWORKS (*International Conference on Complex Networks and Their Applications*, 2017–2021), SUNBELT (2018, 2020), DCNET (*International Conference on Data Communication Networking*, 2018), CELSE (*Conference on Empirical Legal Studies Europe*, 2018), EUSN (*European Conference on Social Networks*, 2016), RCIS (*IEEE Eighth International Conference on Research Challenges in Information Science*, 2014), MERMAT (*International Workshop on Measurement-based Experimental Research, Methodology and Tools*, 2013).
- **French conferences** : JGA (*Journées Graphes et Algorithmes*, 2018–2020), ALGO TEL (*Rencontres Francophones sur les Aspects Algorithmiques des Télécommunications*, 2013–2018), MARAMI (*Modèles et l'Analyse des Réseaux : Approches Mathématiques et Informatique*, 2010–2020), FGG (*Fouille de Grands Graphes*, 2013–2015).

Responsibilities in relation to scientific mediation

- Supervision of the creation of videos *Les 4 piliers de l'informatique*, produced by l'*Esprit Sorcier*, SIF, 2022.
- President of the jury for the video contest *Octet Video* delivered by the SIF (2020–2022).
- In charge of the course *Computer Science Unplugged*, ENS Paris-Saclay, since 2019.
- President of the organizing committee of the *Computer Science unplugged* workshop, Gaité Lyrique, Paris, 2019.
- Member of the organizing committee of the training program *Médiation scientifique en informatique* (Scientific mediation in computer science), SIF, Toulouse, 2018.
- Member of the jury for the video contest *Science Info Stream* delivered by the SIF (2018, 2019).
- Coordinator of computer science activities during the French Science Festival, UPMC, 2013-2015
- Member of *Groupe Algorithmique de l'IREM de Paris*, Univ. Paris-Diderot, since 2017.
- Member of the *Informatique et Technologies de l'Information et de la Communication (ITIC)*, think tank promoting the teaching of computer science in high school, since 2010.

SUPERVISION

Ph.D. Thesis

- 2017–2020 RÉMY POULIN
 Title : *Analyse et modélisation de la diversité des structures relationnelles à l'aide de graphes multipartis.*
 Co-supervision (70%) with Clémence Magnien
 Defended on 4th of December, 2020.
- 2015–2018 MARWAN GHANEM
 Title : *Les centralités temporelles : étude de l'importance des nœuds dans les réseaux dynamiques*
 Co-supervision (50%) with Clémence Magnien
 Defended on 5th of October, 2018.
- 2014–2018 RAPHAËL TACKX
 Title : *Analyse de la structure communautaire des réseaux bipartis*
 Co-supervision (70%) with Jean-Loup Guillaume
 Defended on 12th of October, 2018.
- 2010–2014 DANIEL BERNARDES.
 Title : *Information Diffusion in Complex Networks : Measurement-Based Analysis Applied to Modelling.*
 Co-supervision (70%) with Matthieu Latapy.
 Defended on 21th of March, 2014.

Internship

- 2023 MARIIA BARANOVA (M2, Telecom ParisTech)
 Title : *Utilisation de l'intelligence artificielle pour l'aide à la prise de décisions juridiques.*
 Duration : 6 weeks.
- 2022 THÉO RUDKIEWICZ (M2, ENS Paris-Saclay)
 Title : *Étude de l'impact des algorithmes de recommandations sur la diversité.*
 Duration : 3 months.
- 2022 ARNAUD LELIÈVRE (M2, ENS Paris-Saclay)
 Title : *YouTube au prisme des Sciences sociales computationnelles.*
 Duration : 3 months.
- 2022 VICTOR CHAREYRON (M2, ENS Paris-Saclay)
 Title : *Graphes relationnels et analyse de la diversité sur Youtube.*
 Duration : 5 months.
- 2021 AUGUSTIN GODINOT (M1, ENS Paris-Saclay)
 Title : *Analyse de la diversité des recommandations algorithmiques à l'aide des graphes.*
 Duration : 3 months.
- 2020 CÉCILE POV (M2, ESIEE)
 Title : *Study of random model preserving maximal bicliques*
 Duration : 6 months.
- 2015 MARWAN GHANEM (M2, UPMC)
 Title : *Analyse de la diffusion multi-canal P2P-TV*
 Duration : 6 months.
- 2015 JEAN-FRANÇOIS GRAILET (M2, Liège, Belgique)
 Title : *Étude de la structure bipartite de la topologie de l'Internet à partir des données d'EXPLORENET.*
 Duration : 3 months.

- 2014 BADREDDINE HAMZA (Lawer, M2 Droit pénal, Université Paris Ouest Nanterre)
Title : *Le réseau d'interactions multi-échelle de la jurisprudence de la CPI*
Projet PEPS HuMaIn *Droit et Réseaux d'interaction Multi-échelle*
Co-supervision with Raphaëlle Nollez-Goldbach
Duration : 3 months.
- 2014 OLIVIER SCHAUB (M2 Droit pénal, Université Paris 1 – Panthéon Sorbonne)
Title : *Analyse et modélisation du réseau des décisions de la CPI : l'affaire Lubanga*
Projet PEPS HuMaIn *Droit et Réseaux d'interaction Multi-échelle*
Co-supervision with Raphaëlle Nollez-Goldbach
Duration : 3 months.
- 2014 RAPHAËL TACKX (M2, UPMC)
Title : *Analyse et modélisation de la structure bipartite des communautés recouvrantes*
Duration : 6 months.
- 2013 AURÉLIE FAURE DE PEBEYRE (M2, UPMC)
Title : *Étude des algorithmes de dissémination de type gossip sur topologies aléatoires, réelles et mobiles*
Projet LIP6 *Étude des algorithmes de dissémination de type gossip sur des topologies aléatoires, réelles et mobiles*
Co-supervision with Julien Sopena
Duration : 6 months.
- 2012 THIBAUT RIEUTORD (M2, ENS Cachan/Bretagne)
Title : *Analyse de la dynamique de réseaux de contacts*
Co-supervision with Clémence Magnien
Duration : 6 months.
- 2011 ANTOINE JAVELOT (M1, École Polytechnique)
Title : *Études et simulations des mesures égo-centrées de la topologie d'internet*
Duration : 3 months.
- 2011 VINCENT COHEN-ADDAD (L3, ENS Lyon)
Title : *Études des mesures égo-centrées de la topologie et caractérisation de la dynamique d'Internet*
Durée 6 weeks.
- 2010 ALEXANDRE ISOARD (L3, ENS Lyon)
Title : Phénomènes de diffusion.
Duration : 6 weeks
- 2010 FRANÇOIS GINDRAUD (L3, ENS Lyon)
Title : Topologie de l'Internet.
Co-supervision with Christophe Crespelle
Duration : 6 weeks
- 2009 SAEMEH HADAVI (M1, Université Pierre et Marie Curie).
Title : *Étude de la topologie de l'Internet à l'aide d'un radar.*
Duration : 3 months

TEACHING

Adjunct professor at ENS Paris-Saclay since October 2018.

Responsibilities

- 2019–** In charge of the course *Informatique Débranchée* (Computer Science Unplugged) (L3/M1), ENS Paris-Saclay
- 2019–** Advisor for *AI studies* for the social science department, ENS Paris-Saclay
- 2019–** In charge of *conférences du diplôme* (ENS conferences), ENS Paris-Saclay
- 2018–** In charge of the course *Enjeux numériques du monde contemporains* (Digital issues of today's world) (L3/M1), ENS Paris-Saclay
- 2017–** In charge of the course *Analyse de réseaux* (Network Analysis) (M2), ENS Paris-Saclay.
- 2011–2015** In charge of the first course in CS programs entitled : *Programmation Récursive* (2011–2014) and *Éléments de Programmation 1* (2014–2015).
800 students.
- 2014–2015** In charge of the professional degree *Flux Numérique* (L3).
- 2014–2015** In charge of the course *Structure et Dynamiques des Réseaux* (M2).
- 2012–2013** In charge of the course *Initiation à la Compilation et aux Machines Virtuelles* (L2).

Lecturer (2015–2018)

ENSTA	M2	Operational Research and Big Data	32h
ENS Paris-Saclay	M2	Sociologie des réseaux	12h
UPMC	M2	Networks : Structures and dynamics	60h
UPMC	L1	Éléments de programmation 1	100h

Université Pierre et Marie Curie : 2009–2015 (Associate Professor)

L1	Programmation récursive	510h (Resp/Lectures)
L1	Éléments de Programmation 1	140h (Resp/Lectures)
L1	Enseignant référent pour étudiants de PCME	12h (Supervision)
L2	Initiation à la compilation et aux machines virtuelles	200h (Resp/Lectures)
L3	Conception d'algorithmes et applications	120h
L3	Réseaux	90h
M1	Logique pour l'informatique avancée	80h
M1	Introduction à la biologie et aux algorithmes sur les arbres et les graphes en bioinformatique	12h
M1	Projet STL (master Science et Technologie du Logiciel)	6h (Supervision)
M1	Projet BIM (master Bio-informatique)	12h (Supervision)
M2	Grands et petits réseaux biologiques : reconstruction et analyse	10h
M2	Grands graphes de terrains	30h
M2	Structures des dynamiques des réseaux	20h (Resp/Lectures)
M2	Network Structure and Dynamics	20h

École Polytechnique : 2007–2009

L3	Algorithmes et Programmation : du séquentiel au distribué	40h
M1	Introduction au C++	16h
M2	Recherche Opérationnelle	16h

Université Paris 7 : 2003–2006 (assistant professor)

L1	Structures de Données	78h
L1	Projet de Programmation	44h
L2	Outils, Systèmes et Réseaux	52h