

RICHARD BARON

CURRICULUM VITAE

UPDATED: FEBRUARY 2019

PERSONAL INFORMATIONS

- Birth date - February 6, 1969
- Marital status - Married life
- Languages - French: mother tongue ; English: advanced ; Spanish: fluent
- Address - Université Jean Monnet, 10, Rue Tréfilerie, Bâtiment B. 42023, Saint-Étienne cedex 02, France
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PRESENT POSITION (SINCE 1998)

- Teaching - Associate Professor of Computer Science, Université Jean Monnet de Saint-Etienne, France
- Head of International Relations at Institut d'Administration des Entreprises de Saint-Etienne
- Research - Researcher at GATE Lyon, Saint-Etienne (UMR CNRS 5824), France

FORMER POSITIONS

- 1997-1998 - Teaching Assistant in Computer Science and Researcher at CREUSET, Université Jean Monnet de Saint-Etienne, France

RESEARCH INTERESTS

- Computational Complexity
- Game Theory
- Social Choice
- Distributed Ledger technology
- Cryptocurrencies

EDUCATION

- Ph.D - **Ph.D in Computer Science** (1997)
Ecole Normale Supérieure de Lyon, France
- Master - **Master in Computer Science**, option: Artificial Intelligence (1992)
Université de Caen Basse-Normandie, France
- Engineer - **Engineer in Computer Science** (1992)
Ecole Nationale Supérieure d'Ingénieurs de Caen, France

PHD THESIS

Title	- Contribution to the study of wavelet networks
Supervisor	- Michel COSNARD (Ecole Normale Supérieure de Lyon)
Research center	- Laboratoire de l'Informatique du Parallélisme (Unité de Recherche Associée du CNRS n. 1398), Ecole Normale Supérieure de Lyon
Distinction	- With Highest Honours
Committee	- Hélène PAUGAM-MOISY (co-supervisor), Stéphane CANU, Patrick GALLI-NARI, Mirta GORDON, Djamel ZIGHED

PUBLICATIONS

2019	- R. Baron, Introduction aux technologies blockchain supports des crypto-monnaies, <i>Revue de Droit Bancaire et Financier</i> , n° 4 Juillet-Août 2019, Lexis Nexis.
2019	- R. Baron, Comprendre la blockchain, chap. 1, in <i>Blockchain et Droit</i> , Dir. Franck Marmoz, 2019, Dalloz.
2015	- R. Baron, M. Diss, E. Rémila, and P. Solal, A Geometric Examination of Majorities Based on Difference in Support, <i>Social Choice and Welfare</i> , 2015, 45 :123-153.
2011	- R. Baron, S. Béal, E. Rémila, P. Solal. Average Tree Solutions and the Distribution of Harsanyi Dividends. <i>International Journal of Game Theory</i> , 2011, 40 : 331-349.
2008	- R. Baron, J. Durieu, H. Haller, P. Solal. Good Neighbors are Hard to Find : Computational Complexity of Network Formation. <i>Review of Economic Design</i> , 2008, 12 :1-19.
2006	- R. Baron, P. Solal. Le critère de stabilité stochastique en théorie des jeux évolutionnaires. <i>Revue d'Economie Industrielle</i> , 2006, 114-115 :141-160.
2005	- R. Baron, J. Durieu, H. Haller, P. Solal. Complexity and Stochastic Evolution of Dyadic Networks. <i>Computers and Operations Research</i> , 2006, 33 :312- 327.
2004	- R. Baron, J. Durieu, H. Haller, P. Solal. Finding a Nash Equilibrium in Spatial Games is an NP-Complete Problem. <i>Economic Theory</i> , 2004, 23 :445-454.
2003	- R. Baron, J. Durieu, P. Solal. Algorithme de Fictitious Play et cycles. <i>Louvain Economic Review</i> , 2003, 63 :167-181.
2002	- R. Baron, J. Durieu, H. Haller, P. Solal. A Note on Control Costs and Logit Rules for Strategic Games. <i>Journal of Evolutionary Economics</i> , 2002, 12 :563-575.
2002	- R. Baron, J. Durieu, H. Haller, P. Solal. Control Costs and Potential Functions for Spatial Games. <i>International Journal of Game Theory</i> , 2002, 31 :541-561.

WORKING PAPERS

2019	- Richard Baron, Magali Chaudey, Blockchain and Smart-contract: a pioneering Approach of inter-firms Relationships? The case of franchise networks. Working paper GATE L-SE, WP1917, April 2019.
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CONFERENCES

2019	- R. Baron, Review for the 10 years of Bitcoin – The dilemma of the regulator between protection of the investors and freedom of the creators, <i>36th Symposium on Money, Banking and Finance</i> , june 12-14th, Besançon, France.
2019	- R. Baron, M. Chaudey, Blockchain and Smart-Contract: A Pioneering Approach of Inter-Firm Relationships <i>33rd Annual International Society of Franchising Conference</i> , june 6-8th, Vienna, Austria.
2019	- R. Baron, Les nouveaux actifs numériques : Crypto monnaies et Jetons, conférence <i>Association France-Amériques/Barreau de Paris</i> , 25 mars 2019, Paris.

- 2018 - R. Baron, Introduction aux technologies blockchain supports des crypto-monnaies, conférence *Les Monnaies*, Association Européenne pour le Droit Bancaire et Financier, 30 novembre 2018, Bruxelles, Belgique
- 2018 - R. Baron, La Révolution Blockchain, conférence *Journées de l'Economie 2018 (JECO2018)*, 6 novembre 2018, Lyon.
- 2017 - R. Baron, Eléments techniques de compréhension de la technologie Blockchain, colloque *La Blockchain, Big-bang de la relation contractuelle*, Université Jean Moulin Lyon 3, 5 octobre, Lyon, France
- 2009 - R. Baron, Complejidad computacional y teoría de juegos, Primer Congreso Científico Internacional Economía y Finanzas, Escuela Politécnica Nacional, Quito, Ecuador, (2009).
- 2008 - R. Baron, S. Béal, E. Rémila, P. Solal, Average tree solution for graph games, proceedings of the 5th European Conference on Complex Systems (ECCS), electronic publication (2008).
- 1998 - R. Baron and B. Girau. Parameterized normalization : application to wavelet networks. In Proc. International Joint Conference on Neural Networks, volume 2, pages 1433-1437. IEEE, (1998).

REFERRING ACTIVITIES

Journal of Evolutionary Economics

TEACHING EXPERIENCE

- 1997-present - **Institut d'Administration des Entreprises de Saint-Etienne**
Introduction to Computer Science, Software for Data Analysis, Web technologies, Operations Research, Models of Computation, Game Theory
- **Faculté des Sciences de Saint-Etienne**
Computer Networks, Functional Programming, Neural Networks, Computability and Complexity, Decision Theory, Mathematics for Computer Science
- 1993-1997 - **Université Claude Bernard de Lyon**
Programming, Computer Networks and Distributed Systems
- 1993-1997 - **Ecole Normale Supérieure de Lyon**
Programming, Neural Networks

SCIENTIFIC ANIMATION

- 2010-2015 - Member of a the Laboratory Council of the Groupe d'Analyse et de Théorie Economique Lyon/Saint-Etienne (UMR 5824), GATE-LSE
- 2011-present - Member of the Structure Fédérative de Recherche MODélisation Mathématique et Aide à la Décision (MODMAD)