

## FRANÇOIS CHARLES GIRAUD-CARRIER

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### CURRENT EMPLOYMENT

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Assistant Professor of Operations Management, Department of Management Information Systems, College of Business and Management, University of Illinois at Springfield 2013—Present

### EDUCATION

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Ph.D. in Operations Management from David Eccles School of Business, University of Utah 2014  
Dissertation: *Pollution Regulation and Production in Imperfect Markets*  
Advisor: Krishnan S. Anand

M.S. in Industrial Engineering from Ecole des Ponts, Paris Institute of Technology, France 1994

### CURRENT RESEARCH INTERESTS

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Sustainable operations; Supply chain management.

### PUBLICATIONS AND COMPLETED RESEARCH

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1. Anand, K.S. and **F. Giraud-Carrier** (2017), *Pollution Regulation and Market Structure: Equilibria, Profits and Welfare Effects*. Under revision for third round of review at *Management Science*.
2. Anand, K.S. and **F. Giraud-Carrier** (2017), *Fairness in Pollution Regulation*. Working paper University of Utah. To be submitted to *Management Science*
3. Anand, K.S. and **F. Giraud-Carrier** (2017), *Incentives for Innovation in Pollution Abatement*. Working paper University of Utah. To be submitted to *Management Science*.
4. **Giraud-Carrier, F.**, & Schmidt, G. M. (2015). Learning in the Fast Lane: The Freeway Game. *Decision Sciences Journal of Innovative Education*, 13(3), 273-287. **Awarded 2015 Outstanding Teaching Brief.**

### SELECTED RESEARCH IN PROGRESS

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1. “Green Supply Chain Management Adoption in US Manufacturing: A Mediation Model” with A. Agarwal and Y. Chen
2. “Supplier integration and firm performance: A meta-analytic study of mediators and moderators” with C. Rigsbee and H. Qahri-Saremi

3. “Optimal pollution control within a supply chain” with K.S. Anand
4. “Does Cap-and-Trade Enable Collusion?” with K.S. Anand

## CONFERENCE PROCEEDINGS

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1. Agarwal, A., **Giraud-Carrier, F.**, & Penumatsa, L.S. (2017). Status of Green Supply Chain Management Adoption in Midwest Manufacturing: An Empirical Study. Forthcoming in proceedings of the 47<sup>th</sup> Annual Meeting of the Decision Sciences Institute, Austin, TX. November 2016.
2. Vankeisbelck, R., **Giraud-Carrier, F.**, Duchon, J., & Zarli, A. (2005). The Intelcities e-City Platform: a framework for a new generation of local e-government services. *eGov INTEROP'05*.
3. Bourdeau, M., **Giraud-Carrier, F.**, Rezgui, Y. and Zarli, A. (2001). Knowledge Management in the Construction Industry: the e-COGNOS Approach. In Brian Stanford-Smith and Enrica Chiozza, editors, *E-work and E-commerce: Novel solutions and practices for a global networked economy*. IOS Press, 2001. Vol. 2. (pp. 944-950.)

## CONFERENCE PRESENTATIONS

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1. “Market Mechanisms for Pollution Control: A Comparative Study of Cap-and-Trade, Cap and Emission Taxes”, Invited talk, POMS, Reno, NV, May 2011.
2. “Pollution and Production”, Invited talk, INFORMS, Charlotte, NC, November 2011.
3. “Pollution and Production”, Invited talk, POMS, Chicago, IL, April 2012.
4. “Pollution Regulation and Production”, MSOM Conference, New York, NY, June 2012.
5. “Investing in pollution abatement innovations under emission taxes and cap-and-trade”, Invited talk, INFORMS, Phoenix, AZ, October 2012.
6. “Pollution Regulation and Production”, Invited talk, INFORMS, Phoenix, AZ, October 2012.
7. “Does Cap-and-Trade enable Collusion?”, Invited talk, Theory in Economics of Information Systems (TEIS) Workshop, Monterey, CA, June 2013.
8. “Does Cap-and-Trade enable Collusion?”, Invited talk, INFORMS, Minneapolis, MN, October 2013.
9. “Pollution Regulation of Firms producing Partial Substitutes”, Invited talk, POMS, Atlanta, GA, May 2014.
10. “Incentives to Invest in Pollution Abatement Innovations under Cap, Cap-and-Trade and Tax”, Invited talk, POMS, Atlanta, GA, May 2014.
11. “Does Cap-and-Trade enable Collusion?”, Invited talk, POMS, Atlanta, GA, May 2014.
12. “The Freeway Game”, Contributed talk, POMS, Atlanta, GA, May 2014.
13. “Pollution Regulation and Market Structure”, Invited talk, INFORMS, San Francisco, CA, November 2014.
14. “Does Cap-and-Trade enable Collusion?”, Invited talk, INFORMS, San Francisco, CA, November 2014.
15. “Incentives to Invest in Pollution Abatement Innovations”, Invited talk, INFORMS, San Francisco, CA, November 2014.
16. “Drivers of Traffic Congestion Externality: Insights from the Freeway Game”, DSI Conference, Seattle, WA, November 2015.
17. “Drivers of Traffic Congestion Externality: Insights from the Freeway Game”, POMS, Orlando, FL, May 2016.
18. “Pollution Regulation and Market Structure: Equilibria, Profits and Welfare Effects”, Invited talk, INFORMS, Nashville, TN, November 2016.
19. “Status of Green Supply Chain Management Adoption in Midwest Manufacturing: An Empirical Study”, DSI, Austin, TX, November 2016.
20. “Pollution Regulation and Market Structure: An Operations Perspective”, Contributed talk, POMS, Seattle, WA, May 2017.
21. “Pollution Regulation and Market Structure”, Invited talk, MSOM Conference, Chapel Hill, NC, June 2017.

## TEACHING

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Teaching interests: Operations/Supply Chain Management, Sustainable Operations, Project management.

**Master Online Teacher Certificate** from the Illinois Online Network in 2015: This six-course certificate recognizes faculty who possess a demonstrated knowledge related to online course design and online instruction.

***Courses taught at the University of Illinois at Springfield (2013—present).***

- BUS 322: Principles of Operations Management | [on campus, online & hybrid]
- BUS 530: Supply Chain & Logistics Management [MBA elective] | [on campus]
- MIS 385: Data & Information Management | [hybrid online and on campus]
- MIS 352: Principles of Management Information Systems | [on campus]
- MIS 323: Social Health Care Informatics | [hybrid online and on campus]
- MIS 513: Management Information Systems | [on campus]

***Courses taught at the David Eccles School of Business, University of Utah (2012—2013):***

- OIS 3660: Operations Management | [on campus]

## CURRICULUM DEVELOPMENT

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***New degree program developed at the University of Illinois at Springfield.***

- Graduate Certificate in Operations and Supply Chain Management [Fall 2017]

***New courses developed at the University of Illinois at Springfield.***

- BUS 530: Supply Chain & Logistics Management [MBA elective] | [Spring 2015]
- MIS 323: Social Health Care Informatics | [hybrid online & on campus] | [Fall 2016]

## SERVICE

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***Service to the University***

- UIS Academic Integrity Council (Co-chair) 2016—Present
- UIS Academic Integrity Council (member) 2014—Present

***Service to the Department***

- Faculty search committees (member)
- Graduate assistant search committees (member)
- Department Personnel Committee (member) 2013—Present
- Department Executive Committee (member)
- MIS Hall of Fame Committee (member)

***Service to the OM community***

- Co-editor of the POMS Chronicle, the official newsletter of the Production and Operations Management Society. 2015—Present
- Reviewer for the Decision Sciences Journal of Innovation Education, and the DSI and AMCIS Conferences. 2014—Present
- Session Chair at POMS and INFORMS Annual Conferences 2014

## AWARDS

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- 2015 Decision Sciences Journal of Innovative Education Outstanding Teaching Brief
- 2013 Daniels Fund Ethics Initiative Award (Bronze)
- 2013 David Eccles School of Business Doctoral Student Teaching Excellence Award
- 2012-2013 University of Utah Graduate Research Fellow
- 2012 Best Paper Competition Finalist; INFORMS Section for Public Programs, Services and Needs
- 2011 Dissertation Proposal Award Competition Finalist; POMS College of Sustainable Operations

## SOFTWARE

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- Mathematica: Created “VisualAnova”, a statistical demonstration project, for the Wolfram website: <http://demonstrations.wolfram.com/VisualANOVA/>
- SAP ERP instructor
- ERPsim Level 1 Certification
- Web development: Creator of ‘The Freeway Game’ (<http://www.thefreewaygame.com>)

## PREVIOUS INDUSTRY EMPLOYMENT

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Managing Director IOSIS Informatique (Paris, France). \$6 M (2007 turnover), 25 associates, the IT subsidiary of Egis Buildings ( <a href="http://www.egis-group.com/">http://www.egis-group.com/</a> ), ISO 9001 Certified.	2004—2008
R&D Project Manager Derbi (Paris, France). Project coordinator of applied research projects funded by the European Union and the French government (OSMOS, e-COGNOS, SignéBTP and Intelcities projects).	2001—2004
Head of subdivision, City of Nouméa (Capital of New Caledonia). Annual budget: \$10 M, 35 staff members.	1997—2001

## CITIZENSHIP AND VISA STATUS

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Citizen of France and Permanent Resident of the United States of America.