



Sabrina BERBAIN



Department of Management, Economics & Society
Faculty Position: Associate Professor in Supply Chain

ISG International Business School
8 rue de Lota
F-75116 Paris
sabrina.berbain@isg.fr

Sabrina BERBAIN is Associate Professor at the ISG International Business School. She holds a Ph.D. in Computer Sciences and specialized in the field of Operations Research.

- Her current professional activity is Associate Professor in Supply Chain Management
- Her areas of publication are Additive Manufacturing Supply Chain & Industry 4.0 Implementation
- Her teaching specializations concern Supply Chain Management, Operations Management and Digital transformation Management. She is responsible for Supply Management Course.

Teaching Areas

Course 1 Supply Chain Management
Course 2 Operations Management
Course 3 Digital Transformation Management

Research Interests

Interest 1 Additive Manufacturing Supply Chain & Value Network
Interest 2: Impact of Additive Manufacturing technologies on Production (including HR issues)
Interest 3 Industry 4.0 Implementation
Interest 4 Smart Factory Model / Maturity model

Education

2000: PhD in Computer Science, Paris-Dauphine University, France,

"Nouvelle approche de l'optimisation en temps réel des feux d'un carrefour complexe isolé par la programmation linéaire mixte en nombres entiers".

"A New Approach of Real-Time Optimization of Traffic Signals of Complex Intersection by Mixed Integer Linear Programming"

Supervisor: Vangelis Paschos, Professor at Paris-Dauphine University

1996 : Master 2 in Decision Sciences (MODO), Paris-Dauphine University

1994 : Industrial Engineer, Ecole Nationale Polytechnique.

Teaching Experiences

Year 2005 – Year 2014: Adjunct Professor of Supply Chain Management at HEC Paris

Year 1999 – Year 2021 : Adjunct Professor of Production & Inventory Management at Paris-Dauphine University

Other Professional Experiences

2009 – 2016 Academic Manager of VAE Department at ISG International Business School, Paris.

2010 – 2012 Head of Management Department at ISG International Business School, Paris.

2000-2007 Supply Chain Consultant, Diagma International, France

Database Management, Schlumberger Wireline & testing, France

Operations Research Consultant, EDF, France

Operations Research Researcher, Air France, France

Operations Research Researcher, SNCF, France

Publications

Book

Berbain, S., Vallin, Ph., "Supply Chain : 13 études de cas corrigées", Editions Ellipses, 2021.

Articles in refereed Journals

Berbain, S., "Impacts de la fabrication additive sur la Supply Chain", Logistique & Management, Vol. 24 n°2, 2016.

Berbain, S., Bourbonnais, R., Vallin, Ph., "Forecasting, Production and Inventory Management of Short Life-Cycle Products: Review of Literature and Case studies", Supply Chain Forum: An International Journal, vol. 12 n°4, 2011.

Conference Proceedings

Berbain, S. & Sassi, N. (2022). "Impact of additive manufacturing on the production function: A case study in the aerospace industry". EAWOP, January, 11-14, Glasgow.

Ojubanire, O. A., Sebti, H., Berbain, S. (2021). « Digitalization of Manufacturing Enterprises : A Maturity Model for Emerging Economies », IEEE International Conference on Technology Management, Operations and Decisions, November, 26, Morocco.

Ojubanire, O. A., Sebti, H., Berbain, S. (2021). « Industry 4.0 in Advanced Economies : Implications and Lessons for Moroccan Industry », Colloque International du Management Industriel & Logistique, May, 28 & 29, Morocco.

Berbain, S., (2020). « Urban Traffic Control of a Complex Junction », 2nd International Conference on Deep Learning, Artificial Intelligence and Robotics, December 7-18, Italy.

Berbain, S. (2019) « Additive Manufacturing Supply Chain Eco-System », 10th International Research Meeting in Business and Management, Nice, France, 8-10 juillet 2019.

Clayette, J., Berbain, S. (2019) « Concevoir la Supply Chain de la Fabrication Additive : *Cas du groupe Safran* » Conférence-débat à ISG International Business School, Paris, 19 avril 2019.

Berbain, S. (2018) « Toward the Additive Manufacturing Supply Chain: Framework from the theory of the Supply Chain », 13th International meeting for research in Logistics and Supply Chain Management (RIRL), Paris, France, 22-23 mai 2018.

Berbain, S., Corré-Ballais, M. et Donnadieu, A. (2018) « Du stockage à la maintenance, les impacts de l'impression 3D sur la supply chain », Conférence-débat au Salon AddFab, Paris, 12 avril 2018.

Berbain, S. (2017) « Additive manufacturing supply chain : Critical Challenges », Conférence-débat au Salon 3D Print, Lyon, 14 juin 2017.

Berbain, S. (2017) « Designing the additive manufacturing supply chain », Northeast Decision Sciences Institute Conference, Springfield, Massachusetts, 22-25 mars 2017.

Berbain, S., (2016). "Impacts de la fabrication additive sur la Supply Chain : *Quels changements attendus dans le cadre de la production de pièces fonctionnelles en série ?* ", 11èmes Rencontres Internationales de la Recherche en Logistique, 7-9 Septembre, Lausanne.

Berbain, S., Bourbonnais, R., Vallin, Ph, (2010). "Spécificités et Problématiques des Articles à durée de vie courte : Prévission de la demande, gestion des approvisionnements et gestion de la Production", 8èmes Rencontres Internationales de la Recherche en Logistique, Octobre, Bordeaux.

Berbain, S., (2010). "Comment gérer au mieux la saisonnalité des ventes au sein de la chaine logistique ", Séminaire Supply Chain Université Paris-Dauphine, Mars, Paris.

Berbain, S., (2009). "A New Mixed Integer Linear Programming Model for Real Time Traffic Control", International Decision Sciences Institute Conference, June 24-27, Nancy, France.

Berbain, S., "Comment organiser la gestion de la production des articles à durée de vie courte", Séminaire Supply Chain Université Paris-Dauphine 2008, Paris.

Professional Associations

Member of International Association of Research in Logistics