



Sabrina BERBAIN

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

147, Avenue Victor Hugo - 75116 Paris
+33 (0) 1 56 26 10 07
sabrina.berbain@isg.fr

Sabrina BERBAIN is Associate Professor at ISG INTERNATIONAL BUSINESS SCHOOL. She holds a Ph.D. in Computer Science and is specialized in the field of Supply Chain. Her current professional activity is teaching and research: her areas of publication are impacts of additive manufacturing technologies on supply chain, organisation of additive manufacturing production, ecosystem of additive manufacturing and urban traffic control. Her teaching specializations are Supply Chain Management and Digital Transformation Management.

Teaching Areas

Course 1: Supply Chain Management
Course 2: Digital Transformation Management

Research Interests

Interest 1: Impact of Additive Manufacturing technologies on Supply Chain
Interest 2: Impact of Additive Manufacturing technologies on Production (including HR issues)
Interest 3: Ecosystem of Additive Manufacturing (3D Printing)
Interest 4: Urban Traffic Control: Adaptive System for controlling traffic lights in real-time

Education

2000
Ph.D in Computer Science/ Operations Research, Paris-Dauphine University,

"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 Experience

2008-Now

-Lecturer of Production Management and Inventories management at Paris-Dauphine University.

2006-2010 & 2014

-Lecturer of Supply Chain Management at HEC Paris.

1998-2000

-Lecturer of Database Management at Paris-Dauphine University.

Other Professional Experience

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 Consultant in Supply Chain at DIAGMA, Paris.

Publications

Articles in refereed journals

Berbain, S. (2016) "Impacts de la fabrication additive sur la supply chain : Quels changements attendus pour les pièces fonctionnelles produites en série ?", *Logistique & Management*, 24(2), pp 110-120.

Berbain, S., Bourbonnais, R. and Vallin, P. (2011) "Forecasting, Production and Inventory Management of Short Life-Cycle Products: Review of Literature and Case studies", *Supply Chain Forum: An International Journal*, 12(4), pp 36-48, published online: 09 November 2015.

Conference Presentations

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 », **12th International meeting for research in Logistics and Supply Chain Management (RIRL)**, Paris, France, 22-23 mai 2018.

Berbain, S., Corré-Ballais, M. et Donnadiou, 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 », **11th International meeting for research in Logistics and Supply Chain Management (RIRL)**, Lausanne, Suisse, 7-9 septembre 2016.

Berbain, S., Bourbonnais, R. et Vallin, P. (2010) "Spécificités et Problématiques des Articles à durée de vie courte : Prévion de la demande, gestion des approvisionnements et gestion de la Production", **8th International meeting for research in Logistics and Supply Chain Management (RIRL)**, Bordeaux, France, octobre 2010.

Berbain, S., Bourbonnais, R. (2010) "Comment gérer au mieux la saisonnalité des ventes au sein de la chaîne logistique ", **Séminaire Supply Chain Université Paris-Dauphine**, Paris, mars 2010.

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

Berbain, S., Bourbonnais, R. et Vallin, P. (2009) "Comment organiser la gestion de la production des articles à durée de vie courte", **Séminaire Supply Chain Université Paris-Dauphine**, Paris, mars 2009.

Professional Associations

-International Association of Research in Logistics and Supply Chain Management