

# Sen CHAI

Professeur associé

Département: Management

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## FORMATION

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|------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2013 | DBA en Technologie et Gestion des Opérations, Harvard Business School, États-Unis<br><i>"Essays on the Emergence and Diffusion of Breakthroughs"</i> |
| 2006 | MS Sciences de Gestion et Ingénierie, Stanford University, États-Unis                                                                                |
| 2005 | BEng en Ingénierie Electrique (Magna Cum Laude), Mineure en Gestion, McGill University, Canada                                                       |

## EXPERIENCE PROFESSIONNELLE

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### Positions académiques principales

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|----------------|-----------------------------------------------------|
| 2018 - Présent | Professeur associé, ESSEC Business School, France   |
| 2015 - 2018    | Professeur assistant, ESSEC Business School, France |

### Autres affiliations académiques

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|-------------|---------------------------------------------------------------------------------------------------------------|
| 2013 - 2015 | Wertheim Post - Doctoral Fellow ; Advisor: Richard Freeman, Harvard University, États-Unis                    |
| 2012 - 2012 | Chercheur Visitant au Coleman Fung Institute for Engineering Leadership, University of California, États-Unis |

### Autres expériences professionnelles

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| 2006 - 2008 | Consultant, Deloitte Consulting LLP, États-Unis |
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## BOURSES, PRIX ET DISTINCTIONS

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### Prix et Distinctions

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| 2022 | Nominated, SMS London Annual Conference Responsible Research Paper Prize                                                                                                                                                                     |
| 2019 | Outstanding Conference Paper, Interdisciplinary Network for Group Research                                                                                                                                                                   |
| 2018 | Prix de la Fondation ESSEC pour la Recherche, Fondation ESSEC                                                                                                                                                                                |
| 2017 | Finaliste, Best Conference Paper Proceedings pour son article: Framing Catastrophic Failure as a Learning Opportunity: Lessons From Virgin Galactic and SpaceX (SILVESTRI L., DOSHI A., CHAI S.), 2017 Academy of Management Annual Meeting. |
| 2017 | Mention Honorable, Best Conference Paper Award au 2017 SMS Annual Meeting et                                                                                                                                                                 |

son article "Framing Catastrophic Failure as a Learning Opportunity: Lessons From Virgin Galactic and SpaceX" (SILVESTRI L., DOSHI A., CHAI S.) à été publié dans le Best Paper Proceedings at the 2017 Academy of Management Conference.

- 2014 Finaliste, INFORMS/Technology Innovation Management and Entrepreneurship Section Competition dans la Catégorie de la Meilleure Dissertation
- 2014 Nominée, Meilleur Article d'Elève, REER Conference Kauffman Foundation
- 2004 Lauréate du Prix de Recherche Etudiante, National Science and Engineering Research Council of Canada
- 2004 Prix, McKinsey & Company Case Competition
- 2003 Prix de Recherche, Canadian Institutes of Health

## Bourses

- 2019 Bourse de Recherche de l'ESSEC Business School, ESSEC Business School, France
- 2017 ESSEC Business School Research Grant, ESSEC Business School, France
- 2016 Marie Sklodowska - Curie Actions Individual Fellowship - European Commission Horizon 2020 Research and Innovation Framework Programme
- 2015 Bourse de Recherche de l'ESSEC Business School, ESSEC Business School, France
- 2014 Bourse de Recherche Economics of Knowledge Contribution and Distribution
- 2014 Mack Institute Research Fellowship ( avec Anoop Menon )
- 2014 Q.A. Shaw McKean Jr. Fellowship
- 2013 Bourse de Recherche, Economics of Knowledge Contribution and Distribution
- 2008 Harvard Business School Wyss Doctoral Fellowship (prise en charge complète des frais de scolarité ainsi qu'une allocation mensuelle supplémentaire)
- 2003 Bourse d'etude, Federation of Chinese Canadian Professionals Quebec
- 2001 McGill University McConnell Undergraduate Scholarship (prise en charge complète des frais de scolarité)

## PUBLICATIONS

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### Articles

- CHAI, S., DOSHI, A. et SILVESTRI, L. (2022). How Catastrophic Innovation Failure Affects Organizational and Industry Legitimacy: The 2014 Virgin Galactic Test Flight Crash. *Organization Science*, 33(3), pp. 1068-1093.
- MELL, J.N., JANG, S. et CHAI, S. (2021). Bridging Temporal Divides: Temporal Brokerage in Global Teams and Its Impact on Individual Performance. *Organization Science*, 32(3), pp. 731-751.
- CHAI, S., D'AMOUR, A. et FLEMING, L. (2020). Explaining and Predicting the Impact of Authors within a Community: an Assessment of the Bibliometric Literature and Application of Machine Learning. *Industrial and Corporate Change*, 29(1), pp. 61-80.

CHAI, S. et MENON, A. (2019). Breakthrough Recognition: Bias Against Novelty and Competition for Attention. *Research Policy*, 48(3), pp. 733-747.

CHAI, S. et FREEMAN, R. (2019). Temporary Colocation and Collaborative Discovery: Who Confers at Conferences. *Strategic Management Journal*, 40(13), pp. 2138-2164.

CHAI, S. (2017). Near Misses in the Breakthrough Discovery Process. *Organization Science*, 28(3), pp. 411-428.

CHAI, S. et SHIH, W. (2016). Bridging Science and Technology through Academic-Industry Partnerships. *Research Policy*, 45(1), pp. 148-158.

CHAI, S. et SHIH, W. (2016). Why Big Data Isn't Enough. *MIT Sloan Management Review*, 58(2), pp. 57-61.

SHIH, W. et CHAI, S. (2015). What to Know about Locating in a Cluster. *MIT Sloan Management Review*, 57(1), pp. 104-107.

### Actes d'une conférence

CHAI, S., MENON, A., TABAKOVIC, H. et LEE, C. (2021). Using Machine Learning to Predict Technology Generality. Dans: *2021 Academy of Management Proceedings*. Academy of Management, pp. 10.5465/AMBPP.2021.11418abstract.

SILVESTRI, L., DOSHI, A. et CHAI, S. (2017). Framing Catastrophic Failure as a Learning Opportunity: Lessons From Virgin Galactic and SpaceX. Dans: *2017 Academy of Management Annual Meeting Best Paper Proceedings*. Academy of Management.

CHAI, S. et SHIH, W. (2016). Data-Driven vs. Hypothesis-Driven Research: Making sense of big data. Dans: *Academy of Management*. Academy of Management.

### Conférences

CHAI, S., MENON, A., TABAKOVIC, H. et LEE, C. (2021). Using Machine Learning to Predict Technology Generality. Dans: 41st SMS Annual Conference 2021. Virtual.

CHAI, S., D'AMOUR, A. et FLEMING, L. (2019). Explaining and Predicting the Impact of Authors within a Community. Dans: 2019 Academy of Management Annual Meeting.

CHAI, S., DOSHI, A. et SILVESTRI, L. (2019). Negotiating the Meaning of Catastrophic Innovation Failure. Dans: 2019 Australian Centre for Entrepreneurship Research Exchange Conference (ACERE) Conference.

CHAI, S. et SHIH, W. (2019). Pre-Competitive Consortia: An Under-utilized Technology Transfer Tool? Dans: 2019 Technology Transfer Society Annual Conference.

CHAI, S. et FREEMAN, R. (2018). Knowledge Spillover and Collaboration through Temporary Colocation. Dans: 2018 Distances in Organizations Workshop.

CHAI, S., DOSHI, A. et SILVESTRI, L. (2018). Learning from and Forgetting Successes and Failures (Symposium). Dans: 78th Academy of Management Annual Meeting.

CHAI, S., DOSHI, A. et SILVESTRI, L. (2018). Negotiating the Meaning of Catastrophic Innovation Failure. Dans: 16th Annual West Coast Research Symposium 2018.

CHAI, S. (2018). Problem Formulation and Near Misses. Dans: Open Innovation Conference 2018 NYU.

CHAI, S. et MENON, A. (2017). Breakthrough Recognition: Competition for Attention. Dans: DRUID 2017.

SILVESTRI, L., DOSHI, A. et CHAI, S. (2017). Framing Catastrophic Failure as a Learning Opportunity: Lessons From Virgin Galactic and SpaceX. Dans: 2017 Strategic Management Society Annual Meeting.

CHAI, S. (2017). Uncovering the Creative Sources of Commercialization. Dans: 2017 SMS Special Conference Banff.

CHAI, S. (2016). Mapping the Faulty Process of Breakthrough Misses. Dans: 2016 Academy of Management Annual Meeting.

CHAI, S. et MENON, A. (2016). Sources of Creative Commercialization. Dans: Kelso 2016 Workshop Conference.

CHAI, S. (2016). Understanding Breakthrough Emergence through Missed Opportunities. Dans: 22nd Annual Organization Science Winter Conference.

CHAI, S. et SHIH, W. (2015). Bridging Science and Technology through Academic Industry Partnerships. Dans: 2015 Academy of Management Annual Meeting.