Jose Arrieta - CV

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RESEARCH INTERESTS

Diversity; Strategic Decision Making; Organization Design; Theories of the Firm; AI

> We all see the world in different ways. Yet, many of our theories see organizations as composed of either a single agent or multiple agents who share their worldviews. I explore situations where this oversimplification breaks apart. Situations in which diversity is necessary to explain how organizations learn, adapt, create, and capture value.

ARTICLES IN PEER REVIEW PROCESS & WORKING PAPER

[1] Arrieta J.P., "More is different: The Effect of Preference Diversity on Exploration and Adaptation" – **Job market paper, (rewriting)**

Nominated for Best PhD paper prize at Strategic Management Society (SMS) Virtual Conference 2020
Presented at invited seminars at Aarhus University and the University of Southern Denmark in 2019 and at the Theoretical Organizational Models (TOM) Society 2018, Carnegie School of Organizational Learning (CSOL), AoM, and SMS in 2020

[2] Laureiro-Martínez, D., Arrieta J.P., & Brusoni, S., "Attentional Engagement Predicts Problem-Solving Strategies: Evidence from Think-Aloud Protocols and Behavioral Experiments" – **Organization Science** (under review after **4th R&R, minor revision**)

[3] Arrieta, J.P., & Liu, C., "In Search of Contrarian Opportunities from the Blind Spot of Majority Rule" – **Strategic Management Journal** (revising **1st R&R, major revision**)

Nominated for Best PhD Prize and Best Methods Prize at SMS Virtual 2020
Presented at TOM Society and Nagymaros Conference in 2020, AoM and DRUID in 2021

[4] Arrieta, J.P., Fontana, R., & Brusoni, S., "On the Strategic Use of Product Modularity" – **Industrial and Corporate Change** (under review after **2nd R&R, major revision**)

Presented at Strategy, Entrepreneurship, and Innovation Doctoral Consortium 2019 at KU Leuven

RESEARCH IN PROGRESS

[5] Arrieta, J.P., Lauenstein, F., Analytis, P., Becker, M.C., & Liu, C., "Efficient but Fickle: A Behavioral Experiment on the Routinization Process of Centaur (AI + Human) Organizations"

Awarded Ernst&Young research grant at ESMT Berlin, Presented at SMS and RRC 2022

[6] Arrieta, J.P., "Routines as Games: On How Goal-disagreement Affects Routine Formation"

Presented at TOM Society 2020, CSOL, SMS 2021

[7] Arrieta, J.P., "Attention from the Bottom-Down: Insights from Single-celled Organisms on Self-Organization"

Presented at an invited seminar at Aarhus University and at CSOL in 2022

EDUCATION

Ph. D.	Management Technology and Economics**, ETH Zürich** Start: September 2015, Defense Date: January,2021; Nominated for ETH Medal
M. Sc.	Physics (with highest honors), **Universidad de Costa Rica,** October 2012
B. Sc.	Electrical Engineering, **Universidad de Costa Rica**, July 2010
B. Sc.	Physics, **Universidad de Costa Rica**, July 2010

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

2022 Arrieta, J.P., & Shrestha, Y.R. (2022). On the Strategic Value of Equifinal Choice. ***Journal of Organization Design***, 11, 37-45.

2016 Chang, J.B., Kim, Y.H., Thompson, E., No, Y.H., Kim, N.H., **Arrieta, J.P.,** Manfrinato, V.R., Keating, A.E., & Berggren, K.K. (2016). The Orientations of Large Aspect-Ratio Coiled-Coil Proteins Attached to Gold Nanostructures. ***Small***, 12(11), 1498-1505.

2013 Manfrinato, V.R., Wanger, D.D., Strasfeld, D.B., Han, H.S., Marsili, F., **Arrieta, J.P.,** Mentzel, T.S., Bawendi, M.G., & Berggren, K.K. (2013). Controlled Placement of Colloidal Quantum Dots in sub-15 nm Clusters. ***Nanotechnology***, 24(12), 125302.

EMPLOYMENT HISTORY

May 2021 – now **Assistant Professor,** University of Amsterdam, Amsterdam Business School, Strategy and International Business Section

September 2015 – December 2020 **Doctoral Student,** Department of Management, Technology, and Economics, ETH Zürich, Switzerland, Under Prof. Stefano Brusoni and Dr. Daniella Laureiro-Martínez

January – September 2015 **Research Assistant,** idem, Research areas: Formation of mental representations during crowdfunding evaluations

Sept. 2013 – October 2014 **Doctoral Student,** Department of Physics, ETH Zürich, Switzerland, Under Prof. Klaus Ensslin and Prof. Thomas Ihn, Research areas: Undoped GaAs heterostructures, quantum transport; semiconductor physics

January – August 2013 **Research + Innovation Intern,** Intel Corporation, Heredia, Costa Rica, Under Principal Engineer Eduardo Bolaños Research areas: Cognitive science, hardware design and test

2012 **Research Fellow,** MicroStructures Research Center (CIEMIC), UCR, Under Prof. Henry Smith, EECS Department, MIT and Prof. Federico Muñoz-Rojas, UCR, Research areas: Grapho-epitaxy and transmission electron microscopy

August – December 2011 **Visiting Scientist,** Quantum Nanostructures and Nanofabrication Group, EECS Department, Massachusetts Institute of Technology, Under Prof. Karl Berggren, Research areas: SEM resolution improvement; protein and quantum dot placement

2010 – 2011 **Research Fellow,** Electrochemistry and Chemical Energy Research Center (CELEQ), UCR, Under Prof. Leslie Pineda-Cedeño, UCR, Research areas: Dye-sensitized solar cells

2008 – 2010 **Research Assistant,** Materials Science and Engineering Research Center (CICIMA), Under Prof. Jose A. Araya-Pochet Research areas: Tungsten thin-film (< 5nm) material properties

TEACHING ACTIVITIES

2022 – now	**Lecturer,** Strategy and Change (B.Sc. 6013B0507Y), Strategy and Organizations (EPMS 612ZB011Y), Thesis Proposal (EPMS 6614Z-B004Y) above median student evaluation in all courses at UvA
2016 – now	**Thesis Supervision,** over 25 M.Sc. and 5 B.Sc. students supervised
2016 – 2020	**Teaching Assistant,** Innovation Creativity, and Personality Traits, Annual course MAS MTEC, ID 365-1053-00L, at ETH Zurich

CONFERENCE ORGANIZATION

June 2022	**Carnegie School of Organizational Learning Academy,** Co-organizer 60 doctoral students and 20 faculty participants. Held online. Lectured by ten top-scholars in the field. www.csolconference.org/allinfo
June 2019	**Computational Methods for Economists Summer School,** Co-organizer, 40 attendees. Held at the EPF Lausanne. Lectured by Prof. Stephen Hansen (Imperial), Prof. Molly Roberts (UC San Diego), Prof. Yaroslav Rosoka (Purdue), and Harsh Prasad (VP at Morgan Stanley)
October 2016	**Strategy, Entrepreneurship, and Innovation Doctoral Consortium,** Assistance in the organization and administrative tasks
January 2013	**Costa Rican Nanofabrication Workshop,** Lead organizer. Held at the UCR, 80 attendees, funded by the university and industry partners (Intel and HP). Lectured by Prof. Henry Smith (MIT), Dr. Charles Holzwarth (Research scientist, Intel), Samuel Nicaise (MIT), and myself

REVIEWING AND MEMBERSHIP IN SCIENTIFIC SOCIETIES

Committee Member	SMS Diversity, Equity, and Inclusion (2022-2024)
Ad Hoc Reviewer	Organization Science (since 2019), Industrial and Corporate Change (since 2021), Strategic Organization (since 2022)
Membership	Organization Design Community, SMS, and AoM

AWARDS, RESEARCH FUNDING, AND FELLOWSHIPS

2020	**Ernst&Young Fund,** with Chengwei Liu, fellowship for running a behavioral experiment on routinization of centaur organizations (20 k€)
2013	**Costa Rican Ministry of Science and Technology,** Fellowship for the first year of doctoral studies in Physics at ETH Zürich (25 kCHF)
2012	**MicroSctructures Research Center** (CIEMIC), UCR, One-year graduate studies research fellowship (6 k$US) and research grant (6 k$US)
2011	**Costa Rican Ministry of Science and Technology,** Fellowship for a five-month research visit at MIT (6 k$US)
2011	**Electrochemistry and Chemical Energy Center** (CELEQ), UCR, One-year graduate studies research fellowship (6 k$US)
2010	**Costa Rican National Congress on Innovation** (CRInnova 2010), Outstanding innovation award, National High-Technology Center, San José

PERSONAL SKILLS

Languages	**English:** fluent TOEFL iBT: 114/120, **Portuguese:** fluent (C1-level), **German:** could teach in Sept. 2023 (B2-level). **Spanish:** native
Programming	Python, R, JavaScript, Mathematica, MatLab, C, Assembler, Verilog

PERSONAL INFORMATION

Personal Website	www.arrieta.science
Google Scholar	scholar.google.com/citations?user=sz4vuOkAAAAJ
Open Science F.	osf.io/hjpqr
Github	github.com/jparrieta
Zoom	uva-live.zoom.us/my/arrietajp
Skype	arrietajp

REFERENCES

Stefano Brusoni (co-advisor)
Email: sbrusoni@ethz.ch
Chaired Professor of Technology and Innovation Management
Department of Management, Technology, and Economics
and Pro-Rector for Continuing Education at
Swiss Federal Institute of Technology, Zürich

Daniella Laureiro-Martínez (co-advisor)
Email: dlaureiro@ethz.ch
Tenured Senior Researcher
Department of Management, Technology, and Economics
Swiss Federal Institute of Technology, Zürich

Chengwei Liu
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Associate Professor of Strategy and Behavioral Science
European School of Management and Technology, Berlin