Jose P. Arrieta - CV

Email: j.p.arrietanavarro@uva.nl | Mobile: +41 76 458 1987
Address: Plantage Muidergracht | 1018 TV | Amsterdam | Netherlands

RESEARCH INTERESTS

Diversity; Resilience; Organization Design; Artificial Intelligence; Strategic Decision Making

> *My research explores the links between **strategic decision making** and **organization design**. I explore the relationship between **diversity** and **artificial intelligence** systems in the design of **resilient** and **sustainable organizations***

ARTICLES IN PEER REVIEW PROCESS & WORKING PAPERS

[1] Arrieta J.P., "Sometimes More: The Effect of Diversity of Preferences on Exploration" – **Job market paper, Preparing to submit to Organization Science**

Nominated for Best PhD Prize at Strategic Management Society (SMS) Virtual Conference 2020
Invited Seminars: University of Aarhus and University of Southern Denmark
Presented in several conferences in 2020 including: Carnegie School of Organizational Learning, Academy of Management Meeting, Organization Science Winter Conference, and SMS

[2] Laureiro-Martínez, D., Arrieta J.P., & Brusoni, S., "Manipulating Attention Predicts Problem Solving Strategies: Evidence from Think-Aloud Protocols and a Behavioral Experiment" – **Organization Science** (under review after **2nd R&R**)

[3] Arrieta, J.P., & Liu, C., "In Search of Contrarian Opportunities from the Blind Spot of Majority Rule" – **Preparing 2nd submission, now to Management Science**

Nominated for Best PhD Prize and Best Methods Prize at SMS Virtual 2020
Presented at Theoretical Organizational Models Society and Nagymaros Conferences 2020

[4] Arrieta, J.P., Fontana, R., & Brusoni, S., "On the Strategic Use of Product Modularity" – **Preparing 2nd submission, now to Strategy Science**

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

[5] Arrieta, J.P., & Shrestha, Y.R., "On the Strategic Relevance of Equifinal Choice" – **Preparing to submit to Journal of Organization Design**

RESEARCH IN PROGRESS

[6] Arrieta, J.P., & 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

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

Presented at Theoretical Organizational Models Society 2020

EDUCATION

Ph. D. Management Technology and Economics**, ETH Zürich**
Start: September 2015, Defense Date: January 19, 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

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 –	**Assistant Professor,** University of Amsterdam, School of Business, 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 J. Bolaños, Research areas: Cognitive science, hardware design and test
2012	**Research Fellow,** MicroStructures Research Center (CIEMIC), UCR, Under Prof. Henry I. 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

APPROVED RESEARCH PROJECTS

2012	**Interference Lithography and Graphoepitaxy of Low-Cost Materials,** water and sugar crystals, Personal initiative with funding from CELEQ and CIEMIC (6 k$US).
2010	**Development of a Low-Cost Modular Scanning Tunneling Microscope,** Personal research project, and B.Sc. thesis topic, Designed and built at CICIMA, (3 k$US)

TEACHING ACTIVITIES

2016 – current **Teaching Assistant,** Innovation Creativity, and Personality Traits, Annual course MAS MTEC, ID 365-1053-00L

SUPERVISION OF STUDENTS

Thesis Supervision Julius Kolb (now Ph.D. student at RWTH Aachen), Andrea Belli, Florian Haake, David Heller, Ilaria Devittori, Dmytro Shyshchenko, Dominique Chappuis, Bo Sun, Guan Huang, Michael Steinhauer, Marc Källin, Thomas Bernhard, and Georg Meier

ORGANIZATION OF CONFERENCES

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

ACTIVE MEMBERSHIP IN SCIENTIFIC SOCIETIES

2019 – current **Organization Science,** Ad Hoc Reviewer

2019 – current **Organization Design Community,** Member

2017 – current **Academy of Management,** MOC Division Ambassador during 2019

2016 – current **Strategic Management Society,** Presenter and Doctoral Consortium

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, **German:** upper intermediate (B2-level), **Portuguese:** fluent (C1-level), **Spanish:** native

Programming Python, R, JavaScript, Mathematica, MatLab, C, Assembler, Verilog

PERSONAL INFORMATION

Google Scholar	scholar.google.com/citations?user=sz4vuOkAAAAJ
Open Science F.	osf.io/eh5m2/?view_only=2bd6e1e7320548858fd872db4c658932
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
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
Email: chengwei.liu@esmt.org
Associate Professor of Strategy and Behavioral Science
European School of Management and Technology, Berlin