Curriculum Vitae

Siavash Farahbakhsh
Social Sciences Unit
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E-mail:

Current Positions

10/2019 - *present*	Senior Researcher *Flanders Research Institute for Agriculture, Fisheries and Food (ILVO), Belgium* Research Area: Future Policy Scenarios of Transition, Sustainability Transition in Food Systems, Agent-based Modeling, Strategy, Innovation

Academic Background

11/2015 - 11/2019	Ph.D. in Management and Economics *Free University of Bozen-Bolzano, Italy* PhD Thesis nominated for the Distinguished Dissertation Award at the European Social Simulation Association (2020).
03/2012 - 10/2014	M.Sc. Management Engineering *Politecnico di Milano, Italy*
09/2007 - 09/2011	B.Sc. Materials Engineering and Metallurgy *Amirkabir University of Technology (Tehran Polytechnic), Iran*

Previous Positions

04/2020 - 10/2024	Lecturer *Free University of Bozen-Bolzano, Italy* Topic: Network Thinking and Agent-based Modeling
05/2019 - 07/2019	Visiting Researcher *Institute of Cognitive Sciences and Technologies (ISTC)* *Italian National Research Council (CNR)* *Laboratory of Agent-Based Social Simulation (LABSS), Italy*
04/2018 - 07/2018	Visiting Researcher *Research Centre for Computational* *& Organisational Cognition (CORG)* *University of Southern Denmark, Denmark*

04/2017 - 06/2017	Visiting Researcher *Innovation, Strategy, and Organisation Group (ISO)* *RWTH Aachen University, Germany*
11/2014 - 11/2015	Scientific Researcher *Chair for Business Information Systems I* *Technische Universität Chemnitz, Germany*

Awards and Scholarships

2015	4-Year PhD Grant, *Free University of Bozen-Bolzano, Italy*
2014	6-Month Thesis Abroad Scholarship, *Politecnico di Milano, Italy*

Workshop Organization

2020	Co-convenor of sub-theme 33 "Multiple Lenses on the Complexity of Institutions" at 36th EGOS Colloquium, *Hamburg, Germany*
2019	Co-organiser of 4th Agent-Based Models of Organizational Behavior Workshop (ABM04), *Free University of Bozen-Bolzano, Italy*
2019, 2018	Co-organiser of 1st & 2nd Internal PhD workshop in Economics and Management, *Free University of Bozen-Bolzano, Italy*

Additional Skills

Software	R, NetLogo, Julia Programming Language, Pajek, UCINET, LaTeX
Languages	Persian (Native), English, German, Italian, Dutch

External Associate Affiliation

Research Centre for Computational & Organisational Cognition (CORG), University of Southern Denmark, Denmark

Involved EU & National Projects

02/2024 - *present*	**FoodDataQuest:** as *Coordinator* **Fuelling the Quest for Sustainable Food Systems with Data-Driven Innovations** *HORIZON* Research and Innovation Actions under grant agreement *N*.101134138
01/2022 - *present*	**Data4Food2030** **Pathways towards a fair, inclusive and innovative Data Economy for Sustainable Food Systems** *HORIZON* Research and Innovation Actions under grant agreement *N*.101059473

01/2021 - 12/2024	**RUSTICA:** Demonstration of circular biofertilisers and implementation of optimized fertiliser strategies and value chains in rural communities *H*2020 Research and Innovation programme under grant agreement *N*.101000527
12/2020 - 12/2023	**FOODLEVERS:** Leverage points for organic and sustainable food systems *H*2020 ERA-NETs SUSFOOD2 and CORE Organic Cofund, under the Joint SUSFOOD2/CORE Organic Call 2019
11/2019 - 12/2023	**Soy2Grow:** Towards sustainable and profitable soy cultivation in Flanders VLAIO - Agentschap Innoveren & Ondernemen
12/2016 - 11/2020	**VOLATILE:** Biowaste derived volatile fatty acid platform for biopolymers, bioactive compounds and chemical building blocks *H*2020 Research and Innovation Programme under grant agreement *N*.720777

Academic references

(1) Alessandro Narduzzo, Professor in Innovation, Free University of Bozen-Bolzano **email:** alessandro.narduzzo@unibz.it

(2) Davide Secchi, Professor in Oragnizational Cognition, University of Southern Denmark, **email:** secchi@sdu.dk

(3) Christian Linder, Professor in Strategy, SKEMA Business School **email:** christian.linder@skema.edu

Publications

(1) **Farahbakhsh, S.**, Peeters, K., Pannecoucque, J., Tavernier, G., Berghen, B. V., & Van Meensel, J. (2025). The uptake of European soy production: Insights from a participatory agent-based model. *Agricultural Systems*, 224, 104264.

(2) Alonso-Adame, A., **Farahbakhsh, S.**, Van Meensel, J., Marchand, F., & Van Passel, S. (2025). Factors to scale out innovative organic farming systems: A case study in Flanders region, Belgium. *Agricultural Systems*, 224, 104219.

(3) Alonso-Adame A, Van Meensel J, Marchand F, Van Passel S, **Farahbakhsh S.** (2024) **Sustainability transitions in agri-food systems through the lens of agent-based modeling: a systematic review,** *Sustainability Science*, 1-18.

(4) **Farahbakhsh S.**, Villani E., Linder C., Salge O. (2024) **Paradox Chain Reactions and Member-Organization Relationships During Transformational Change,** *Organization Science*, 35 : 5, 1721-1744.

(5) Farahbakhsh S., Snellinx S, Mertens A, Belderbos E, Bourgeois L, Van Meensel J. (2023) **What's Stopping the Waste-treatment Industry from Adopting Emerging Circular Technologies? An Agent-based Model Revealing Drivers and Barriers**, *Resources, Conservation and Recycling*, 190, 106792.

(6) Farahbakhsh S., Paolucci M. (2022) **The Recruitment Game: An Agent-Based Simulation.** In: Van Dam K.H., Verstaevel N. (eds) *Multi-Agent-Based Simulation XXII. MABS 2022. Lecture Notes in Computer Science*, vol 13128. Springer, Cham.

(7) Snellinx S., Van Meensel J., **Farahbakhsh S.**, Bourgeois L., Mertens A., Lauwers L. & Buysse J. (2021). **Waste treatment company decision-making in a complex system of markets influenced by the circular economy.** *Journal of Cleaner Production*, 328, 129672.

(8) Velghe, F., De Wilde, F., Snellinx, S., **Farahbakhsh, S.**, Belderbos, E., Peral, C., ... & Dietrich, T. (2021). **Volatile fatty acid platform—a cornerstone for the circular bioeconomy.** *FEMS Microbiology Letters*, 368(9), fnab056.

(9) **Farahbakhsh, S.**, Santamaria, A., San José, J., Van Meensel, J., Snellinx, S., Belderbos, E., & Mertens, A. (2020). **A multilevel approach in assessing circular green technology adaption: Deriving plausible business case scenarios through business modelling and agent-based modelling.** In *Towards a Circular Bioeconomy: Volatile fatty acid platform for biowaste recycling*, 89 − 95. Volatile Consortium.

(10) Linder, C., & **Farahbakhsh, S.** (2020). **Unfolding the Black Box of Questionable Research Practices: Where Is the Line Between Acceptable and Unacceptable Practices?.** *Business Ethics Quarterly*, 30(3), 335 − 360. [Finalist of the BEQ Outstanding Article Award of 2020].

(11) Siebers, P. O., Herath, D., Bardone, E., **Farahbakhsh, S.**, Knudsen, P. G., Madsen, J. K., ... & Secchi, D. (2020). **On the quest for defining organisational plasticity: a community modelling experiment.** In *Evidence-based HRM: a Global Forum for Empirical Scholarship*. Emerald Publishing Limited.

Research-in-Progress

(1) Farahbakhsh S., Secchi M. **Understanding Institutional Emergence and Legitimization from the Bottom Up,**

(2) Farahbakhsh S., Cooreman H., Cronin E., Giacomella L., Cisilino F. **Moving Targets in Multi-Actor Processes: Tracing Effectual Reasoning**

(3) De Keyser E., **Farahbakhsh S.**, Mathijs E., Vranken, L. (2025) **Farmers' Decision-Making Dynamics in Bio-Based Fertilizer Adoption: An Agent-Based Model**, Status: *submitted to Agricultural and Food Economics*

(4) Farahbakhsh S., Haentjens W., Van Meensel J., Vangeyt J. **Enhancing Data Sharing Trust in Agriculture: Exploring Uptake Scenarios via Agent-based Modeling**

(5) Kindermann B., & **Farahbakhsh S. Science as a Garbage Can Model: A Simulation Exercise**