

Stefano Horst Baruffaldi

Associate Professor — Polytechnic of Milan, School of Management

Senior Affiliated Researcher — Max Planck Institute for Innovation and Competition

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Appointments

- 2022–present** Associate Professor, Polytechnic of Milan, School of Management, Milan, Italy.
- 2019–present** Senior Affiliated Researcher, Max Planck Institute for Innovation & Competition, Munich, Germany.
- 2019–2022** Lecturer (Assistant Professor), University of Bath, School of Management — Strategy & Organisation, Centre for Research in Entrepreneurship and Innovation, Bath, UK.
- 2018** Visiting Professor, Imperial College London, UK.
- 2016–2019** Post-doctoral Researcher, Max Planck Institute for Innovation & Competition, Munich, Germany.
- 2015–2016** Young Economist / Policy Analyst, OECD, Science, Technology and Innovation (STI) Division, Paris, France — project “Innovation for Inclusive Growth”.
- 2010–2015** Research Assistant, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland (advisor: Dominique Foray).
- 2007** Research Assistant, University of Coimbra, Portugal — FCT project on skilled immigration.

Education

- 2010–2015** Ph.D. in Economics and Management of Innovation, EPFL, Lausanne.
Thesis: *Three essays on the role of proximity in science and innovation* (advisor: Dominique Foray; committee: M. Feldman, K. Frenken, M. Gruber, C. Tucci).
- 2011–2012** Swiss Program for Beginning Doctoral Students in Economics, Gerzensee Study Center.
- 2007–2010** M.Sc. in Management, Economics and Industrial Engineering, Politecnico di Milano.
- 2004–2007** B.Sc. in Management and Production Engineering, Politecnico di Milano.

Publications — Peer-reviewed articles

- Baruffaldi, S. & Gaessler, F. (2026). The returns to physical capital in knowledge production: Evidence from lab disasters. *American Economic Journal: Applied Economics*, 18(1), 248–285.
- Baruffaldi, S. & Poege, F. (2025). Like stars: How firms learn at scientific conferences. *Management Science*, 71(3), 2056–2078.
- Rose, M. E. & Baruffaldi, S. H. (2025). Finding Doppelgängers in Scopus: How to build scientists’ control groups using sosia. *Scientometrics*, 130(5), 3013–3028.
- Baruffaldi, S., Simeth, M. & Wehrheim, D. (2024). Asymmetric information and R&D disclosure: Evidence from scientific publications. *Management Science*, 70(2), 1052–1069.

- Baruffaldi, S. H., Marino, M. & Visentin, F. (2020). Money to move: The effect on researchers of an international mobility grant. *Research Policy*, 49(8), 104077.
- Baruffaldi, S. H. & Simeth, M. (2020). Patents and knowledge diffusion: The effect of early disclosure. *Research Policy*, 49(4), 103927.
- Poege, F., Harhoff, D., Gaessler, F. & Baruffaldi, S. H. (2019). Science quality and the value of inventions. *Science Advances*, 5(12), eaay7323.
- Baruffaldi, S. H. & Raffo, J. (2017). The geography of duplicated inventions: Evidence from patent citations. *Regional Studies*, 1–14.
- Baruffaldi, S. H., Di Maio, G. & Landoni, P. (2017). Determinants of PhD holders' use of social networking sites: An analysis based on LinkedIn. *Research Policy*, 46(4), 740–750.
- Baruffaldi, S. H. & Landoni, P. (2016). Mobility intentions of foreign researchers: The role of non-economic motivations. *Industry and Innovation*, 23(1), 87–111.
- Baruffaldi, S. H., Visentin, F. & Conti, A. (2016). The productivity of science and engineering PhD students hired from supervisors' networks. *Research Policy*, 45(4), 785–796.
- Baruffaldi, S. H., Marino, M. & Parrotta, P. (2016). Self-employment, start-up incentives and political ideology. *Applied Economics Letters*, 23(4), 250–254.
- Baruffaldi, S. H. & Landoni, P. (2012). Return mobility and scientific productivity of researchers working abroad: The role of home country linkages. *Research Policy*, 41(9), 1655–1665.

Working papers

- Baruffaldi, S., Lawson, C. & Seitz, F. (2024). Research grant effects across funding modes and industry collaboration. *R&R, Research Policy*.
- Baruffaldi, S., Santoleri, P. & Shevtsova, Y. (2024). The impact of mobility grants on researchers. SSRN 5046563.
- Baruffaldi, S., Harhoff, D. & Liebnder-Luc, A. (2024). Scientific paradigms, graphics processing units and the evolution of artificial intelligence.
- Rose, E. M., Rosendahl Huber, L. & Baruffaldi, S. H. (2023). Nobelwomen: Status and gender balance in science.
- Baruffaldi, S. H., Byrski, D. & Gaessler, F. (2020). Fire and mice: The effect of supply shocks on basic science.
- Bignone, F., Baruffaldi, S. & Salter, A. (2026). Profiting from science: Evidence from the valuation of AI startups.

Policy reports & conference proceedings

- Baruffaldi, S. H., van Beuzekom, B., Dernis, H., Harhoff, D., Rao, N., Rosenfeld, D. & Squicciarini, M. (2020). Identifying and measuring developments in artificial intelligence: Making the impossible possible. *OECD Science, Technology and Industry Working Papers*, No. 2020/05, OECD, Paris.
- Baruffaldi, S. H., Simeth, M. & Wehrheim, D. (2020). Financial markets and corporate science: Evidence from exogenous changes in analyst coverage. *Academy of Management Proceedings*, 2020(1), 14476.

- Baruffaldi, S. H., Byrski, D. & Gaessler, F. (2020). Fire and mice: The effect of supply shocks on basic science. *Academy of Management Proceedings*, 2020(1), 14405.
- Baruffaldi, S. H. & Poege, F. (2019). A firm scientific community. *Academy of Management Proceedings*, 2019(1), 15506.
- Baruffaldi, S. H., Marino, M. & Visentin, F. (2017). International mobility and research careers: Evidence from a mobility grant program. *Academy of Management Proceedings*, 2017(1), 12523.

Teaching

- 2022–present** **Economia e Organizzazione Aziendale** (Business Economics), B.Sc. Electrical Engineering, Politecnico di Milano — Lecturer.
- 2026** **Innovation Studies with Data Science**, Ph.D. seminar, Doctoral Programme in Management Engineering, Politecnico di Milano — Lecturer and coordinator (guest lecturers: A. Salter, M. Rose).
- 2024** **Economics of Science and Technology**, Ph.D. School, Politecnico di Milano — Lecturer and coordinator (guest: A. Salter).
- 2021–2025** **Intellectual Property** (online), M.Sc. Entrepreneurship and Management, University of Bath — full course development and online tutoring.
- 2019–2021** **Technology-based Entrepreneurship**, M.Sc. Entrepreneurship and Management, University of Bath — Lecturer (full course).
- 2019, 2021** **Econometrics**, Ph.D. course, University of Bath — linear regression and causal analysis.
- 2019–2021** **Entrepreneurship and Innovation**, B.Sc.(Hons) Accounting and Finance, University of Bath — innovation management, new venture finance.
- 2010–2014** Teaching Assistant, EPFL — Econometrics: Data Analysis & Empirical Methods; Information: Strategy and Economics; Corporate Strategy.

Grants & Awards

- 2023–2026** ESRC Research Grant (Co-Investigator), “Profiting from science: the development and valuation of AI new ventures and engagement with the science base” (ES/X003949/1; PI: A. Salter).
- 2018** Best-Paper Award, EPIP Conference.
- 2016–2017** Swiss National Science Foundation — Early Postdoc Mobility Fellowship (P2ELP1-161847).
- 2012–2014** CDM Best Teaching Assistant Award, EPFL.
- 2013–2014** Swiss National Science Foundation Research Grant (100010_149931/1).

Professional Service

- 2026–2028** Representative at large, Technology and Innovation Management (TIM) Division, Academy of Management.
- ongoing** Organizer, MInERS seminar series.

ongoing Editorial Review Board: *Organization Science*; *Industry and Innovation*.

Reviewer: Science; Management Science; Strategic Management Journal; Research Policy; Review of Economics and Statistics; Journal of Economic Growth; Journal of Management Studies; Strategy Science; Industrial and Corporate Change; Small Business Economics; Regional Studies; Scientometrics; Science and Public Policy; Higher Education; and others.

Software & Skills

Open source: [sosia](#) — control groups for scientists in Scopus.

Programming & tools: Python; Stata; SQL/MySQL; $\text{\LaTeX}$.

Languages

Italian (native) · English (fluent) · Portuguese (fluent) · French (fluent) · Spanish (advanced) · German (intermediate).

References

Available on request.