

Roman Jurowetzki

<https://orcid.org/0000-0002-5199-918X> | <https://vbn.aau.dk/da/persons/125497>

Associate Professor at Aalborg University (AAU Business School, Since Sept. 2020) specializing in Innovation, Knowledge Economic Dynamics, and computational methods (esp. Natural Language Processing). Research focuses on technological change and emerging technologies, technology policy, published in journals like *AI & Society*, *Industrial and Corporate Change* and *Technological Forecasting and Social Change*.

Key Research Projects and Professional Activities

Chief Scientist (2025-2027)

CAISA (Centre for AI in Society) | National AI Strategy | 50.7M DKK ~6.80M EUR (AAU 12.74M DKK)
Basic research and guidance on national AI adoption.

AAU PI (2024–2029)

GreenTraC: Green Transition Policy Centre, KU Lead | Carlsberg Foundation | 10M DKK ~1.34M EUR
AI/ML based indicators and evaluation of green transition policy.

AAU PI (2021–2026)

AI Denmark | Danish Industrial Foundation | 74.5M DKK | ~9.99M EUR (AAU ~13.2M DKK)
Facilitating AI use in Danish SMEs. (<https://aidenmark.dk/>)

Policy Consultancy (2024–2025)

Ethics and Policy of AI | UNESCO/G20

Contribution to UNESCO AI Landscape report & G20 Digital Economy Working Group on AI and inequalities under the South African G20 Presidency.

PhD Supervision (3 total) – current:

Richard Jonker (2024–Present, Co-Supervisor): Enhanced Language Modeling Using Consolidated Structured Knowledge.

Special Issue Editor (2021–2023), *Industry & Innovation*. Topic: “Innovation dynamics in the age of AI.”

Special Issue Editor (2018–2020), *Scientometrics*. Topic: “Machine Learning for (Eco-)System Mapping.”
(doi: 10.1007/s11192-022-04628-8)

Selected Publications

- Jurowetzki, R., Hain, D.S., Wirtz, K., & Bianchini, S. (2025). The private sector is hoarding AI researchers: what implications for science? *AI & SOCIETY*, 1-8.
- Elmholt, K.T., Nielsen, J.A., Florczak, C.K., Jurowetzki, R., & Hain, D. (2025). The hopes and fears of artificial intelligence: a comparative computational discourse analysis. *AI & SOCIETY*, 1-18.
- Bekamiri, H., Hain, D.S., & Jurowetzki, R. (2024). Patentsberta: A deep nlp based hybrid model for patent distance and classification using augmented sbert. *Technological Forecasting and Social Change*, 206, 123536.
- Holm, J.R., Hain, D.S., Jurowetzki, R., & Lorenz, E. (2023). Innovation dynamics in the age of artificial intelligence: introduction to the special issue. *Industry and Innovation*, 30(9), 1141-1155.
- Hain, D.S., Jurowetzki, R., Squicciarini, M., & Xu, L. (2023). *Unveiling the neurotechnology landscape: Scientific advancements innovations and major trends*. UNESCO.
- Hain, D., Jurowetzki, R., Lee, S., & Zhou, Y. (2023). Machine learning and artificial intelligence for science, technology, innovation mapping and forecasting: Review, synthesis, and applications. *Scientometrics*, 128(3), 1465–1472.
- Hain, D.S., Jurowetzki, R., Buchmann, T., & Wolf, P. (2022). A text-embedding-based approach to measuring patent-to-patent technological similarity. *Technological Forecasting and Social Change*, 177, 121559.
- Jurowetzki, R., Lema, R., & Lundvall, B. Å. (2018). Combining innovation systems and global value chains for development: Towards a research agenda. *The European Journal of Development Research*, 30(3), 364-388.