

PhD/Data Engineer Position in Supply Chain Research

Part time (30h)

Supply Chain Intelligence Institute Austria

€ 37.577* gross per year



*According to the standard personnel costs and salaries of the Austrian Science Fund FWF

ASCI! is dedicated to analyse and better address future challenges related to value networks, strategic interdependencies, and ensuring production and supply security. We provide an interdisciplinary and creative environment for open-minded visionaries who want to solve questions regarding the design of more sustainable and resilient supply networks.

WE SEARCH FOR

Crises such as wars, pandemics, and climate extremes destabilise global and national supply chains, and can lead to significant supply shortages of essential goods, such as food and medicines. Severe disruptions propagating along complex supply chain networks can expose entire regions or countries to the risks of supply shortages. At the same time, climate change requires us to change the technological basis of our society which might create new supply chain dependencies. How can supply chain networks be made more resilient to such shocks? How can we proactively manage their transformation to be more sustainable?

To answer these questions, we are looking for a dedicated PhD researcher or part time Data Engineer for an interdisciplinary collaborative research project on developing a supply network stress testing (SNST) framework for real world supply network data of unprecedented detail. Based on cutting edge science of supply-chain networks and agent-based modelling, SNST focuses on improving the resilience of the Austrian food security. Additionally, your tasks include to better understand how supply chains in specific industries can be made more circular and sustainable.

YOUR PROFILE

We are looking for an excellent young scientist with a Master's degree (or equivalent) with a quantitative focus (e.g. data science, physics, economics, biology, operations research, supply chain management).

In your Master's thesis, you have successfully shown your quantitative research skills. You have the ability to independently carry out data-intensive research and show good programming (e.g., Python, R, Julia), modelling and quantitative skills. Knowledge of SQL databases, large data handling in Python, supply networks is a plus. Proficiency in English (written and spoken) is a prerequisite.

WE OFFER

A 3-year position (30h/week, € 37.577 gross/year; parttime possible) in an interdisciplinary research environment at the Supply Chain Intelligence Institute Austria, close collaboration with colleagues from the Complexity Science Hub (CSH) Vienna, the Austrian Economic Research Institute (WIFO) and the Logistikum at the University of Applied Sciences Upper Austria, next to access to a network of world-renowned researchers and a great community of talented, young and motivated PhD and Postdoc researchers. The position is available immediately.

APPLICATION

Please send your application to info@ascii.ac.at. Applications will be reviewed until the position is filled and should include a CV, list of publications (if available), a vision letter, and any additional material showing that you are research-oriented, technically skilled, and creative. Please also include the contact of at least one individual that is willing to write a letter of recommendation for you.

We especially encourage female candidates to apply.

ASCI! processes your personal data in accordance with the law (<https://ascii.ac.at/privacy-policy/>).