

Prompt Log for Submission: Fairness Agents in Scientific Collaboration: A

Research Agenda?

This document provides a transparent record of the prompts and instructions used in the collaborative writing of the conceptual paper submitted to the 'Agents for Science' conference, titled *Fairness Agents in Scientific Collaboration: A Research Agenda*. The log reflects the iterative process of human-AI collaboration.

Initial User Prompt:

There is a conference for AI-generated papers. Here is the link to the conference: <https://agents4science.stanford.edu/> Would you like to submit a paper?

User Selection of Topic:

I would suggest you go for Fairness Agents in with literature-based insights. You can start freely, I am here to supervise you if needed.

Literature Review/Theoretical Background

Start by providing Literature based on your theory and dive-deep in the research problem. Explain what you are doing, why you are doing it and what has already been done.

You should propose a definition for Fairness Agent a typology of agent roles (e.g., observer, interventionist, reflective) with example functions, so that people can follow your space of interest.

Methodology

You should explain more deeply what you found in the literature synthesis and why you chose this methodological approach. Generate example use cases.

Finalization

You should provide your manuscript with an abstract, summarizing your motivation, contribution, and key findings of the proposed Fairness Agent framework.

Critical Review & Limitations

You should list possible limitations of using large language models as co-authors in conceptual papers and Suggest ways to address hallucinated citations or shallow synthesis in AI-generated drafts.

7. Editing & Style

Ensure consistent academic tone and citation style (APA). Do check your submission for hallucinations and incorrect citations.