Title of the event: Online summer course on Alexander Bird’s new book *Knowing Science*

Speaker: Prof. Alexander Bird, Cambridge University.

Dates: August 17th, 19th, 22nd and 24th, 2022.

The event is part of the ZJU-Cambridge project "Mind, Logic, and AI".

Website: [https://xixilogic.org/lngai/zju-camb/](https://xixilogic.org/lngai/zju-camb/%22%20%5Ct%20%22_blank).

**Programme**

Lecture 1. Lessons for the methodology of science from the replication crisis.

August 17th, Wednesday. 4:30pm Beijing time.

*Brief description*: I explain what the replication (reproducibility, replicability) crisis in science (especially psychology and clinical medicine) is.  I look at possible explanations of the crisis and at potential solutions.  I then ask what general conclusions we may draw from this about the nature of science and its ability to deliver truth and knowledge.

Lecture 2. Group knowledge and belief.

August 19th, Friday. 4:30pm Beijing time.

*Brief description*: We often attribute states of knowing to groups.  I examine what this could mean.  I propose a view that allow groups to be in states that are functionally analogous to the mental states of humans, and so should count as states of knowing and the like.  This contrasts with approaches to group knowledge that focus on the commitments of the members of the group.

3. Evidence, justification, and knowledge

August 22nd, Monday. 4:30pm-6:30pm, Beijing time.

*Brief description*: I look at the relationship between evidence, justification, and knowledge.  I ask whether Evidentialism is consistent with Knowledge First epistemology.  And I ask what conception of justification the latter should adopt.

4. Science and knowledge

August 24th, Wednesday. 4:30pm-6:30pm, Beijing time.

*Brief description*: I give an overview of my research in the last two decades regarding the epistemology of science, which will cover topics such as inference to the best explanation, Bayesianism, and the realism debate.