

「實作科學哲學」意義之剖析

Exploring the Concepts of *Philosophy of Science in Practice*

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This proposed project is to clarify the *philosophy of science in practice*. In contemporary philosophy of science, as Chao and Reiss (2017) point out, the fundamental questions about the nature of science are no longer be addressed at an abstract philosophical level. Instead the practice-based philosophy of science emerged as the dominant approach. Philosophers of science seek to explain the actual activities encountered in the sciences and, at the same time, have their own theories evaluated in the context of scientific practices. Some even consider *philosophy of science in practice* is the “right” way of doing philosophy of science, bashing the philosophy-centric approach such as logical positivism as inappropriate as attempting to guide rather than interpret science. But there is still ambiguity. We seek to eliminate such an ambiguity by conducting a meta-analysis of the contemporary and historical practices situated in the “integrated history and philosophy of science” approach.

During the period of this project (January 2020—31 December 2021), the team produced fruitful research outcomes, in terms of both publications and scholarly activities. We host two workshops: Postwar Taiwan Workshop, which is established by the team members (Chao and Wang) and Hsiao-ting Lin (Hoover Institution, Stanford University) held its fifth meeting (PWTW 5) at Tsing Hua on 9 September 2021. The theme of PWTW 5 is knowledge transfer between Taiwan and the West during the post WWII era. The speakers and participants presented a variety of cases illustrating how western knowledge of science, technology, and society transmitted to Taiwan and made impacts on technology progress and actual policies. The speakers are 林孝庭（史丹福大學胡佛研究所東亞部主任）、王秀雲（國立成功大學醫學院教授）、劉曉鵬（國立政治大學國發所教授）、廖文碩（國史館修纂處協修）、李翎帆（國立清華大學經濟系副教授）、鄭仲棠（國立臺北大學經濟系助理教授）、and the team members 王憲群、趙相科。

The second event is the First Taiwan Philosophy of Science Research Day. In this one-day event we gathered scholars working on philosophy of science (broadly defined) to share their current research ideas. The participants are 林佳樺（國立清華大學經濟系博士後研究人員）、侯維之（國立中正大學哲學系副教授）、曾雅榮（國立中正大學哲學系博士生）、官科宏（中央研究歐美研究所博士後研究人員）、鄭仲棠（國立臺北大學經濟系助理教授）、嚴如玉（國立陽明交通大學心智哲學研究所副教授）、陳瑞麟（國立中正大學哲學系講座教授）、黃健揚（中央研究歐美研究所博士後研究人員）、Jonathon Hricko

(國立陽明交通大學心智哲學研究所副教授)、王一奇 (國立中正大學哲學系教授) and 趙相科。

Finally the team members published in top field journals in history of economics [1], a history of technology [2], and a chapter in an prestigious handbook of philosophy of economics [3].

References

- [1] Chao HK. Two Types of Travelers in the History of the Transmission of Western Economic Knowledge in Late Qing and Early Republican China. *History of Political Economy*. 2022 forthcoming.
- [2] Wang HC. Contested Tracks to Modernity: Negotiating Narratives at Taiwan's Railway Department Park. *Technology and Culture* 2021; 62(2):573-583.
- [3] Chao HK. Representation. In Conrad Heilmann and Julian Reiss (Eds.), *The Routledge Handbook of Philosophy of Economics*, New York: Routledge, 2022: 186-197.



PWTW 5 logo



Chao presented at PWTW 5



PWTW 5 participants

Taiwan Philosophy of Science Research Day

2021/10/26 9:50 – 17:30
 新竹市光復路二段101號 國立清華大學台積館六樓 孫運璿紀念中心
 主辦單位：國立清華大學經濟系、科技管理學院全球化經濟研究中心、跨領域研究計畫「實作科學哲學」意義之剖析

Research Day Heading



Chao presented at Research Day



Research Day photo