



IHP-EFEO Talk 專題演講
史語所臺灣與東南亞考古學研究室

Speaker / 主講人

Prof. Pei-Lin YU 余珮琳 教授

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Title / 講題

**Can Human Behavioral Ecology Models Contribute to
Understanding the Neolithization of Taiwan?**

Date / 日期

Tuesday, March 14, 2023 at 2:30 pm
二〇二三年三月十四日（二）下午二時半

Venue / 地點

2F Conference Room, Research Building, IHP, Academia Sinica
中央研究院歷史語言研究所研究大樓二樓會議室

Abstract/ 摘要

The Neolithization of Taiwan involved adaptive responses of immigrating cultivators and territory-holding hunter gatherers, as well as subsequent adjustments to subsistence and settlement on both sides. The Two Layer Model describes Taiwan hunter-gatherers as marginalized and then completely displaced within a few centuries. This has been advanced on the basis of the lack of archaeological and bioarchaeological evidence for persistence. Yet ethnographic information about farmer/hunter-gatherer interactions, as well as the archaeological record of Southeast China, suggest that the process may have been more complex and gradual, with variations arising in different habitats. This opens an opportunity to consider evolutionary theory. Human behavioral ecology (HBE) aims to predict decision-making by individuals who seek to maximize the ratio of energy capture to energy output (as a proxy to reproductive success). HBE models are increasingly used by archaeologists as heuristic tools to derive working hypotheses regarding past behaviors that relate to the origins of food production, migrations, inter-cultural encounters, and more. This paper evaluates the strengths and limitations of the 'Ideal Free Distribution' and 'the Despotic Variant' of populations movements in varied landscapes for archaeological hypothesis building about hunter gatherer/cultivator encounters during the early Neolithic. I conclude with considerations of the role of Taiwan's unique physiographic characteristics in the process.



The talk will be chaired by Dr. Peiyu CHEN, Assistant Research Fellow, Institute of History and Philology, Academia Sinica, and Prof. Frank MUYARD, EFEO Taipei Center.

此演講由中央研究院歷史語言研究所助研究員陳珮瑜博士、
法國遠東學院臺北中心梅豪方副教授主持。

The talk will be given in English. Registration is not required.

此為英文演講。自由入座，無須報名。

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