



# Answer the geomorphological and archaeological questions from a chronological perspective

**SEMINAR PRESENTED BY THE CENTRE FOR  
ARCHAEOLOGICAL SCIENCE (CAS)**

**DATE: FRIDAY 23<sup>RD</sup> SEPTEMBER**  
**TIME: 12.30PM-1.30PM**  
**VENUE: 41.G03A, UOW**  
**PRESENTER: YUJIE GUO**

Yujie Guo is a PhD candidate at the University of Wollongong.

## **SEMINAR OVERVIEW:**

The Nihewan Basin is a key region to study Quaternary palaeoenvironmental, palaeontological and Palaeolithic histories in East Asia. Although many studies have been carried out over the last few decades, many questions remain unanswered. My PhD work focuses on three of the most debated questions about the Nihewan Basin: 1) when and why did the Nihewan palaeo-lake disappear and the Sanggan River form; 2) did the 'Middle Palaeolithic' stage really exist in the Nihewan Basin?; 3) was the Upper Palaeolithic microlithic technology developed from the local small-tool technology in the Nihewan Basin or was it imported from elsewhere? These questions are debated mainly due to the lack of firm chronological control for the late Quaternary stone artefact-bearing sediments in the basin. My PhD work, therefore, aims to answer these questions from a chronological perspective, by studying six stone artefact-bearing lacustrine or fluvial sedimentary sections. My specific aims are to: 1) reveal the time of transition from the Nihewan palaeo-lake to the Sanggan River; 2) test the assignment of sites to the so-called 'Middle Palaeolithic' in the Nihewan Basin based on their numerical chronologies; and 3) establish a chronological sequence for the small-tool and microlithic technologies of the Upper Palaeolithic stage in the Nihewan Basin.



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