

# 中國科技大學補助教師參加校外研習心得報告

會議名稱: 2024IEEE 7th Eurasian Conference on Educational Innovation (ECEI 2024)

會議時間: 自 113 年 1 月 26 日 至 113 年 1 月 28 日

會議地點: 泰國 (採實體與網路併行舉辦)

發表論文題目: Planning and Implementation of 3D Scanning Technology in Practical Course of Building Information Modeling

發表論文摘要:

Building information modeling (BIM) has matured considerably in architecture, engineering, and construction (AEC). Existing BIM courses have focused on improving students' 3D model-building skills, but the key practical skills for students must be taught other than model building. Thus, with the advances and changes in the current AEC industry environment, the content of BIM courses must be revised. At present, the emphasis is put on enabling students to harness the substantial benefits of BIM to cultivate their ability to apply models effectively. This research was carried out to improve students' model application abilities by having students integrate the knowledge acquired in the previous three years including construction management, BIM model building, and 3D printing skills. With the completion of the final report, students improved the following skills: knowledge integration ability, BIM model modeling and application capabilities, 3D image capturing and file processing capabilities, and creative and innovative thinking skills.

研習心得:

本次研討會於泰國 Bangkok 農業大學舉辦，採實體與線上併行。因時間上無法配合出席實體會議，故本次發表以線上方式進行。主辦單位於 1/17 即傳送 Venue, Conference Agenda, Paper Presentation Guidelines 與 Zoom Meetings 之連結，讓我們這些無法親臨現場的參與者皆能順利同步研討會現場，且也順利參與了 Keynote Speech 的演說，該演說提出了 TPACK(Technological Pedagogical Content Knowledge) in Engineering Education 的概念，此概念闡明了教師的專業知能是內容知識、教學知識與科技知識的整合與系統性的應用，讓學土木且教授二十幾年書的我，對教學有更完整、更有系統的認知。

備註：

一、研習心得報告請用電腦繕打。

二、研習結案報告請先上傳（校園入口網→其它類 E 化系統→研討會心得上傳），連同補助教師校外研習申請表、研習相關資料影本(4 頁以上)及研習心得報告，並經主管簽章後，送人事室核銷。

報告人簽章	單位主管簽章	人事室主任簽章
年 月 日	年 月 日	年 月 日