

# 國立中山大學應用數學系

## 學術演講

講者：Mr. Chun-Sheng Hsueh (Humboldt University of Berlin)

講題：Mutual arc presentations and braided open books

時間：2026/06/15 (Monday) 14:10 ~ 15:00

地點：理 SC4011 教室

茶會：13:30

### Abstract

It remains an open problem whether every fibered link in the 3-sphere is the binding of a braided open book. While braided open books generalize braids, we introduce mutual arc presentations as a natural generalization of arc presentations of links. We show that if a fibered link admits a mutual arc presentation, then it is the binding of a braided open book. Moreover, we prove that this holds for all fibered links in the 3-sphere whose fiber surfaces can be obtained via Seifert's algorithm. The talk will be accessible to undergraduate students with an interest in topology.

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