

# paper\_02-APATE\_2026- Game\_Theory\_Breach\_of\_Trust

## 會議投稿資訊 (Conference Information)

- **Target Conference:** APATE 2026 Annual Conference
- **URL:**
  - [APATE Conference 2026](#)
  - [APATE Submission System](#)
- **Conference Theme:** Teaching, Trust, and Transformation: Reaffirming the Social Value of Teachers in the Asia-Pacific
- **研究焦點 (Research Focus):** 探討學術指導關係中的信任脆弱性。解剖學生「掠奪性產權 (Predatory Authorship)」的雙向欺騙手法，以及大學基層官僚如何因本位主義陷入「行政關門 (Administrative Closure)」的防禦性賽局陷阱，進而論證傳統體制內自主調查在應對跨國學倫案時的脆弱性與信任破裂。

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## Abstract (英文摘要)

**Title:** Breaches of Trust and Institutional Failure in Ph.D. Lifecycles: A Game Theory Perspective

In the contemporary higher education ecology of the Asia-Pacific, academic mentorship relies heavily on structural trust. However, the escalating pressure for rapid publications has introduced strategic risks to institutional governance. Grounded in game theory and the mechanics of information asymmetry, this paper provides an analytical anatomy of a recent institutional failure within a doctoral lifecycle in Taiwan. It examines how strategic opportunism can disrupt traditional academic firewalls and dismantle mentorship trust.

Utilizing a single-case empirical analysis, this study deconstructs a dual-blind deceptive strategy deployed by a student actor. The game-theoretic modeling illustrates how the actor strategically manipulated information boundaries to achieve two conflicting outcomes simultaneously: exploiting an external mentor's academic credentials for international publication arbitrage while concealing the true provenance of the drafted material from an internal department chair to unlawfully secure a local institutional gatekeeping ticket (predatory authorship). When this cross-border infringement culminated in an international retraction (desk rejection), the secondary game between the external whistleblower and the university's mid-level administration exposed a structural flaw. Driven by risk aversion and bureaucratic self-interest, mid-level administrators engaged in a defensive game of "administrative closure" (行政關門)—arbitrarily establishing artificial procedural cut-offs and weaponizing delays to reframe systemic academic fraud as a private civil dispute. This

defensive maneuvering effectively blinded top-tier institutional leadership and triggered an administrative failure.

The findings demonstrate that traditional, isolated university-level grievance procedures are highly vulnerable to institutional inertia when facing sophisticated, asymmetrical academic misconduct. The paper concludes by presenting a "Trust-Restorative Higher Education Leadership Model," advocating for structural transverse verification, transparent digital audit trails, and mandatory ethical-psychological interventions, thereby offering an algorithmic roadmap to reaffirm institutional trust in the digital age.

**Keywords:** Academic Integrity, Game Theory, Information Asymmetry, Administrative Closure, Institutional Failure, Higher Education Governance.

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## 📄 中文摘要 (Chinese Abstract)

**論文副題：**學術指導關係中的信任破裂與體制失靈：基於賽局理論之視角

在當代亞太地區的高等教育生態中，學術指導關係高度依賴結構性信任；然而，日益升高的快速發表壓力，已為機構治理引入了策略性風險。本研究基於賽局理論與資訊不對稱機制，對台灣某大學博士班近期發生的一起體制失靈案例進行分析解剖，探討投機行為如何瓦解傳統的學術防護網並破壞指導互信。

本研究採用單一個案的實證分析，解構了學生行動者所採用的「雙向欺騙」策略。賽局模型顯示，該行動者如何策略性地操縱資訊邊界，以同時達成兩個相互衝突的賽局利益：一方面對外利用校外導師的學術資歷進行國際發表套利；另一方面對內向系所主管隱瞞原創起草真相，藉此不法騙取校內指導關係的門票（掠奪性產權）。當此跨國侵權最終引發國際退稿（Desk Rejection）時，校外揭弊者與大學中階行政單位之間的次輪賽局則暴露了體制結構的盲區。中階官僚基於風險規避與組織本位主義，陷入了「行政關門（行政吃案）」的防禦性賽局——透過私設行政截止線與程序拖延，企圖將系統性學術舞弊降格降維為私人言論與名譽糾紛。此等防禦性操作實質矇蔽了高校最高決策領導層，導致整體危機處理失靈。

研究結果表明，傳統、孤立的大學層級申訴調查程序，在面對精密的非對稱學術不端行為時，極易因官僚賽局慣性而失能。結論提出一套「基於信任修復的高校領導力模型」，倡議建立跨校橫向核查、透明化數位軌跡，並結合強制性學術誠信心理輔導，為新時代高校重建體制信任提供具體的社會-科技路線圖。

**關鍵字：**學術誠信、賽局理論、資訊不對稱、行政關門、體制失靈、高等教育治理。

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## 說明 (Explanatory Context)

### 📌 會議投稿資訊 (Conference Information)

- **Target Conference:** APATE 2026 Annual Conference

- **Conference Focus:** Trust and Transformation: Reaffirming the Social Value of Teachers in the Asia-Pacific
- **研究焦點 (Research Focus):** 從社會與組織賽局的角度切入，將此起學倫爭議中「學生兩方矇蔽」與「研發處基層週日緊急發文築牆、週一配合學生群發恫嚇信進行行政關門」之官僚投機現狀，提煉為標準的賽局不對稱模型。用以反向控訴高教基層行政怠惰與失能對師生「信任」(Trust) 的毀滅性打擊，完美扣合 APATE 2026 探討「教師社會價值與信任重建」之大會主題。

## 與總計畫的關係

本研究為以下大型專案計畫之核心子計畫成果：

✦ **總計畫：新時代高教博碩士生指導之數位與學倫治理整合：基於開放科學的最佳實踐與快速爭端解決機制**

- **子計畫一 (ACE 2026 論文)：** 聚焦於「技術解方」，論證如何利用 OSF 數位平台知識策展與時戳防線，作為降本增效的「快速爭端解決機制」。
- **子計畫二 (APATE 2026 論文 - 本篇)：** 聚焦於「現象診斷」，利用賽局理論與資訊不對稱，對大學基層「行政關門」與學生的「雙向欺瞞」進行法理與體制失靈的深度解剖。