

出國報告（出國類別：參加國際研討會發表論文）

參加國際研討會發表論文報告書
(研討會名稱：EduTeach 2016)

服務機關：國立政治大學

姓名職稱：洪煌堯（教授）

派赴國家：加拿大（多倫多）

出國期間：105/07/16-105/07/17

報告日期：105/09/16

目次

摘要	03
本文	04
1. 「目的」	04
2. 「過程」	04
3. 「心得及建議」	04
附錄一(發表之論文摘要)	06
附錄二(會議議程摘錄)	08

摘要

本次出國參加之會議為由 Unique Conferences Canada 與 International Center for Research & Development 所合辦的，2016 年加拿大國際學術研討會議——教育、教學與科技 (Canadian International Conference on Advances in Education, Teaching & Technology, EduTeach 2016)。參與此會議的學者來自全世界各地 (如澳洲、美國、比利時、台灣等國家)。本次研討會的主要專題演講之一是「透過科技支持教育與教學——當前現況與未來展望 (Empowering education & teaching through technology – present challenges & future prospects (Prof. Michael Kyobe))」。而本人所發表的論文為：Helping students develop more constructive learning views through knowledge building pedagogy and technology (透過知識創新教學法及科技協助學生發展建構性學習觀) (論文摘要內容請詳見附錄一)。本研究主要發現是在線上平台進行以學生為中心的同儕回饋有助於提昇師培生在教學上的自省能力。未來會在進一步修改此論文後，將其投稿到國際期刊上。

本文

一、 目的

發表學術論文一篇(摘要內容請詳見附錄一)。

二、 過程

本次會議舉辦時間(2016年7/16-7/17)共2天,議程如附錄二。本會議由 Unique Conferences Canada 與 International Center for Research & Development 所主辦。參與研討會的學者來自世界各地、國籍多元(如美國、澳洲、南非等國)。本研討會主要討論教育、教學、與科技。會議主題:2016年加拿大國際學術研討會議——教育、教學與科技(Canadian International Conference on Advances in Education, Teaching & Technology)。由於本人的研究主題為教學科技,所以此次會議與我的研究內容十分契合。本次研討會的主要專題演講之一是「透過科技支持教育與教學——當前現況與未來展望」(Empowering education & teaching through technology - present challenges & future prospects),也與我的研究十分相關。議程包含長篇論文發表(paper presentations),以及海報論文發表(posters presentations)等。下圖為會海報的照片。



此次發表的論文,本人為第一作者。題目如下:Helping students develop more constructive learning views through knowledge building pedagogy and technology (透過知識創新教學法及科技協助學生發展建構性學習觀)。研究主要發現是在線上平台進行以學生為中心的同儕回饋有助於提昇師培生在教學上的自省能力。未來會在進一步修改此會議論文並投稿於國際期刊。

會議議程請見附錄二。

三、 心得及建議

感謝頂大的經費支持，讓我得以藉此次發表得以反思本研究論文的內容，並進一步思考如何修改本文章。希望在論文寫作上的進步可以以使本研究得以發表在具影響力的國際期刊上。本人同時也鼓勵校內同仁經常出國參加研討會，以開拓視野、瞭解國際動態、以及提昇本校的國際能見度。出席此次國際會議有許多收穫，心得主要有以下三點。一是瞭解國際上重要研究趨勢。二是藉由此發表反思本研究論文內容，以修改並提昇本研究。本篇論文主要探討如何透過知識創新教學法與科技以提昇師培生在教學上的自省能力。未來會再進一步思考如何進一步修改，以發表本論文在國際期刊上。三則是透過此機會讓國際學者認識本校，提昇本校國際能見度。最後要感謝頂大與學校提供補助。有助於本人開拓視野、了解國際研究動態、並提昇本人的研究能力。

附錄一(論文全文)

Helping students develop more constructive learning views through knowledge building pedagogy and technology

Huang-Yao Hong; Chia-Ju Yang
Department of Education, National Chengchi University
Email: hyhong@nccu.edu.tw, 104152004@nccu.edu.tw

Abstract. The need for novel ideas/new knowledge to solve emerging societal problems is ever-increasing. As ideas are essential for problem-solving/knowledge-creation, it has become ever more important for education to consider how to nourish students' creative capacity in order for them to work innovatively with ideas. The challenge for knowledge creation, however, is how effort for idea improvement can be sustained. Traditional education approach tends to highlight the importance of acquiring desired pieces of knowledge from authoritative sources (e.g., textbooks), while neglecting the importance of guiding students to engage in creative knowledge work. To address this concern, the present study attempts to engage students in the sustained production and improvement of ideas in an online collaborative knowledge-building and inquiry environment. The main aim was to help students to develop a more constructivist-oriented view that sees ideas as having an important role for solving real-world problems and at the same time creating new knowledge via online inquiry. Data mainly came from students' online discussion activities and a survey that intends to assess students' epistemic views. An integrated analysis based on qualitative and statistical methods revealed that students' online inquiry and knowledge-building activities were associated with the change of their epistemic views. In particular, when engaging in more productive group inquiry activities, a more sophisticated epistemic view conducive to continual idea improvement for knowledge advancement was more likely to develop among students.

Keywords: knowledge building, epistemic view, collaborative inquiry

Theme: Technology in Education & Teaching

Biography:

Hong, Huang-Yao

Professor/Department of Education/National Chengchi University, Taiwan

Main research area is concerned with knowledge building in computer supported multimedia environments and design issues.

Chia-Ju Yang

Master student/Department of Education/National Chengchi University, Taiwan

Main research area is concerned with knowledge building in computer supported multimedia environments and design issues.

附錄二(會議議程)

Program

Tentative Program (16 -July,2016)

16 July		16July	
Time	International Hall	Time	Paris conference Hall 02
9.00-10.00	Inaugural session Keynote Speech	9.00-10.00	
10.00-10.45	Coffee Break	10.00-10.45	Coffee Break
10.30-12.30	Session 01 Teaching & Learning relationships	10.30-12.30	Session 04 Students & Teachers relationships
12.30-2.00	Lunch Break	12.30-2.00	Lunch Break
2.00-3.30	Session 02 Ongoing projects, Trends , Issues & Challenges	2.00-3.30	Session 05 How to overcome organizational issues
3.30-4.00	Coffee Break	3.30-4.00	Coffee Break
4.00-5.30	Session 03 Technology in Education & Teaching	4.00-5.30	Session 6 General Issues & future of the industry Session 07 -Closing Award of certificates

Tentative Program (17 -July,2016)

Program will be started at 10.30 am. from the Waterfront