



Personal Epistemology and Learning (PEL) Conference

個人知識/認識觀與學習國際研討會

【會議日期】2009年12月16日、12月17日

【會議地點】國立台灣科技大學國際大樓

DELEGATE

與會人員



【主辦單位】

行政院國家科學委員會 科學教育發展處
國立台灣科技大學

Program

Day 1 (Dec. 16, 2009) Wednesday

0900-0930 Registration

0930-1030 **Keynote Speech** IB201

Personal epistemology: An integrative approach to research

Speaker: Prof. Barbara K. Hofer
Middlebury College, USA

Chair: Prof. Fang-Ying Yang
National Taiwan Normal University, Taiwan

1040-1230 **Paper Presentation (Session A1)** IB201

President: Prof. Ching Sing Chai
Nanyang Technological University, Singapore

Epistemological differences between science and technology: Evidences from argument analysis

Ruey-Yun Horng, Po-Hui Lu, Chia-Ning Liao

The explorations of the elementary school students' conceptions of learning: A drawing test analysis

Hung-Yuan Wang

How Chinese high school students construct their meanings of nature of science: From the discursive resources perspective

Feng Deng, Ching Sing Chai, Der-Thauq Chen

Technical college students' learning experience and motivation about school science and life science

Hsin-Chung Ting

Personal and social epistemologies of information credibility

Feng-Ming Lin, Chin-Chung Tsai

1040-1230 **論文發表 (Session B1)** IB202

主持人：劉湘瑤 教授
國立高雄師範大學

知識/認識觀、目標導向與認知投入從路模式之檢驗
劉佩雲 李秀娟

社會建構的探究情境中科學學習動機與知識表現之研究
蔡秋仲 段曉林

電腦支援合作學習環境下大學生之社群知識建構
吳佳蓉

數學解題知識在知識/認識觀與數學解題表現間中介效果之檢驗
劉佩雲 古祐彰 劉恆昌

國小低年級學生對科學相關職業的意象
邱玉婷 周嘉宜 劉嘉茹

Lunch Time

1330-1430 **Keynote Speech** IB201

The generative nature of epistemological judgments

Speaker: Prof. Elmar Stahl
University of Education, Freiburg, Germany

Chair: Prof. Meng-Jung Tsai
National Taiwan University of Science and Technology, Taiwan

1440-1630 **Paper Presentation (Session A2)** IB201

President: Prof. Pi-Chu Kuo
National Pingtung University of Education, Taiwan

Facilitating belief change among in-service teachers and teacher-education students through knowledge-building community

Ching Sing Chai, Huang-Yao Hong

Effects of computer-supported collaborative knowledge building on college students' views on science and science teaching

Yu-Hui Chang

Teacher as an authority in knowledge among Chinese students: A cultural interpretation and developmental change

Angel Kit Yi Wong, Eric Sin Chung Lo

The change in Singaporean pre-service teachers' epistemological beliefs

Ching Sing Chai

Change of in-service teachers' perceptions about science in a history of science course

Pi-Chu Kuo

Day 2 (Dec. 17, 2009) Thursday

0900-0930 Registration

0930-1030 **Keynote Speech** IB201

Epistemic beliefs in action: Evaluating and learning information on the Web

Speaker: Prof. Lucia Mason
The University of Padua, Italy

Chair: Prof. Chia-Ju Liu
National Kaohsiung Normal University, Taiwan

1040-1200 **Paper Presentation (Session A3)** IB201

President: Prof. Ying-Tien Wu
National Taichung University, Taiwan

The effects of different instructional strategies on high school students' on-line searching outcomes and conceptual learning outcomes: The role of epistemological beliefs

Ying-Tien Wu

High school students' online search for solving well-structured scientific problems: Predicting achievements by scientific epistemological views and online information searching strategies

Meng-Jung Tsai, Fang-Ying Yang, Chin-Chung Tsai

University students' scientific epistemological views and online information searching strategies in solving ill-structured scientific problems via online search

Yu-Hsin Chen, Meng-Jung Tsai, Fang-Ying Yang

Experienced college instructors' personal epistemology in teaching social studies and their perception of using technology

Li-Chu Sung

Lunch Time

1300-1400 **Paper Presentation (Session A4)** IB201

President: Prof. Silvia Wen-Yu Lee
National Changhua University of Education, Taiwan

The relationships between epistemological beliefs in biology and approaches to learning biology among biology-majored university students in Taiwan

Yi-Chun Lin, Jyh-Chong Liang

Is physics more certain and coherent than biology? A comparison of students' domain specific epistemological beliefs

Silvia Wen-Yu Lee

Museum science teaching: Museum science educators' personal epistemology and the learning experiences they created for visitors

Jung-Hua Yeh

1410-1510 **Panel Discussion** IB201

President: Prof. Chin-Chung Tsai
National Taiwan University of Science and Technology, Taiwan

Prof. Barbara K. Hofer
Prof. Lucia Mason
Prof. Elmar Stahl
Prof. Chin-Chung Tsai

