

88-2517-5-007-002

參加 1999 國際工程教育會議指導委員會會議報告

魏哲和，交通大學電子工程系教授

沈文仁，交通大學電機資訊學院院長

顏鴻森，成功大學機械系教授、教育部顧問室顧問

(一)前言：

國際工程教育會議第一屆(1994)及第二屆(1995)在我國舉辦，第三屆(1997)在美國芝加哥舉行，第四屆(1998)在巴西里約熱內盧舉行，參與會議的國家日漸增多，會議規模也擴大，1998年在巴西參加的人數達500人。第五屆的會議係由捷克主辦，預訂在1999年8月中旬在Ostrava及Prague舉行。1997年在芝加哥舉行時，我國教育部吳部長口頭承諾要爭取公元2000年在台北舉辦。今年巴西舉行時，我國代表(魏哲和)向指導委員會正式爭取公元2000年之主辦權，也已經通過。

此次的指導會議是由1999年主辦單位捷克的Ostrava Technical Univ. 召集，檢討未來數屆之籌備情形，指導委員會中代表我國的張副主委進福未能出席，因此委派魏哲和、顏鴻森及沈文仁三位出席。參加這個會議的目的有二：一方面報告我們的籌備情形，另一方面也同時與各國代表討論交換經驗。

(二)參加會議經過

11月13日21:00，我們三人(魏哲和、沈文仁、顏鴻森)搭乘長榮BR61班機經曼谷到維也納，11月14日清晨到達維也納，第二天早上9:25由維也納搭乘歐洲鐵路EC104於中午12:57到達捷克的Ostrava，由Ostrava科技大學的人員接到Hotel Imperial, Ostrava安頓，當天傍晚校長Dr. Roubicek舉行餐會接待與會所有人員。

這次參加 ICEE'99 指導委員會(Steering Committee)的代表來自美國、巴西、德國、波蘭、挪威、烏克蘭、中華民國台灣以及捷克，成員均為大學校院長或資深教授。指導委員會的會議自 11 月 16 日開始，16 日早上由捷克的籌備委員會報告籌備情形，包括論文收件以及 1999 年 8 月中旬的會議時間、議程和特別邀請的專題演講等，隨後並參觀會議的場所。16 日下午則由我國代表(魏哲和)報告公元 2000 年在台灣舉行的籌備情形(規劃書如附件)，大會預訂在 8 月 14~16 日在台北圓山飯店舉行，8 月 17~18 日移到台南市成功大學舉辦討論會，加強我國大學與世界各地來的專家交流機會。挪威代表及英國代表亦分別報告公元 2001 年及 2002 年之預備情形。

17 日早上參加 Ostrava 大學舉辦頒授 Prof. Wotiz(美國南伊大教授)榮譽博士和 Ostrava 科技大學博、碩士畢業接受學位之典禮。17 日下午到 Hradec upon Moravice Castle 參觀，1999 年夏天 ICEE 的大會晚宴將在此古堡舉行。

11 月 18 日早上由 Ostrava 乘車到布拉格(時程 5 小時，距離約 350 公里)。到達布拉格後由捷克科技大學校長及副校長等接待，參觀該校在城中區的一個古老禮堂(建造於 600 年前)，古色古香。1999 年 ICEE Postconference 將在這個禮堂舉行，隨後與會人員到捷克科技大學校本部參觀，由校長 Zuna 博士及副校長 Slapeta 博士進行簡報並與全體委員交換辦學經驗。

(三)感想及建議

近年來的工程教育改革自 1990 年美國國家科學基金會首先推動，在美國科學基金會(NSF)工程教育處的李偉安博士(Dr. Win Aung)的大力推動下，我國在 1994 年首先舉辦國際工程教育會議，歷經數年已引起世界許多國工學院及科技大學的響應，重視教育之改革，舉凡產學合作、新科技應用於教學改進，課程改革，新學程規劃均包含在內。

我國工程教育改進之研究計畫係由國科會科教處推動支持，經過數年已有些成果，希望教育部能一起全力推動，俾更能擴大並推廣，使我國的工程教育能夠配合產業發展需求及世界科技發展之趨勢而更上層樓。

我國預定主辦公元 2000 年之會議，根據指導委員會之要求，我們必須

在 1999 年 11 月份召開指導委員會，希望教育部及國科會能全力支持。另外為了使公元 2000 年會議的籌備工作能順利進利，參與會議籌備人員能了解工程教育會議的精神及內涵，我國實有必要組團參加 1999 年 8 月在捷克舉行的會議，以觀摩學習，增加經驗。

(四)附件

- (1) 公元 2000 年國際工程教育會議初步規劃
- (2) 1998 年國際工程教育會議指導委員會會議議程
- (3) 1999 年國際工程教育會議議程草案

International Conference on Engineering Education 2000
August 14 -18, 2000 Taiwan

**ICEE2000/Progress through partnerships:
Strengthening Alliances via Networking and Globalization**

Conference:

August 14-16, 2000
Grand Hotel, Taipei, Taiwan, ROC

Postconference:

August 17-18, 2000
National Cheng Kung University
Tainan, Taiwan, ROC

Submission of Abstracts:

Prospective authors are requested to submit abstracts each 300-500 words long, including author's name(s), affiliation, telephone and fax numbers, and e-mail address.

Submission Address:

ICEE2000 Secretariat
Prof. Che-Ho Wei
Department of Electrical Engineering
National Chiao Tung University
Hsin Chu, Taiwan, ROC
Email: chwei@cc.nctu.edu.tw
Fax: 886-3-5721014

Important Dates:

December 15, 1999	Deadline for abstract submission
January 15, 2000	Notice of acceptance
April 15, 2000	Camera-ready manuscript due
May 15, 2000	Advance program mailed
June 30, 2000	Pre-registration deadline
August 14-16, 2000	ICEE 2000, Taipei
August 17-18, 2000	Postconference, Tainan

Sponsored By:

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- National Taiwan University, Taiwan, ROC
- National Cheng Kung University, Taiwan, ROC
- Ministry of Education, Taiwan, ROC
- National Science Council, Taiwan, ROC

Steering Committee (provisional)

- C. Y. Chang President, National Chiao Tung University, Chair
- C. T. Wang National Taiwan University, Taiwan, ROC, Co-Chair
- J. F. Chang Vice Chairman, National Science Council
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- Juh Wah Chen Dean Emeritus, College of Engineering, Southern Illinois University, USA
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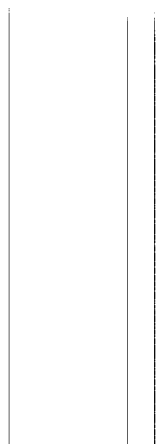
Program Committee (provisional)

- C. T. Wang National Taiwan University, Taiwan, ROC
- C. H. Wei National Chiao Tung University, Taiwan, ROC
- .
- .
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Local Committee

- W. Z. Shen National Chiao Tung University, Taiwan, ROC
- H. S. Yan National Cheng Kung University, Taiwan, ROC
- .
- .
- .

Estimated Number of Participants: 200



Welcome to Taiwan

Taiwan is a leaf-shaped island straddling the Tropic of Cancer about 200 kilometers (120 miles) off the eastern shores of the Chinese mainland. Strategically located in the East China Sea, midway between Japan and Korea to the north and Hong Kong and the Philippines to the south, Taiwan stretches about 386 kilometers (240 miles) from north to south and 137 kilometers (85 miles) across its widest points from east to west. With a land area of 36,000 square kilometers (13,900 square miles), Taiwan is the nearest in size to the Netherlands among European countries.

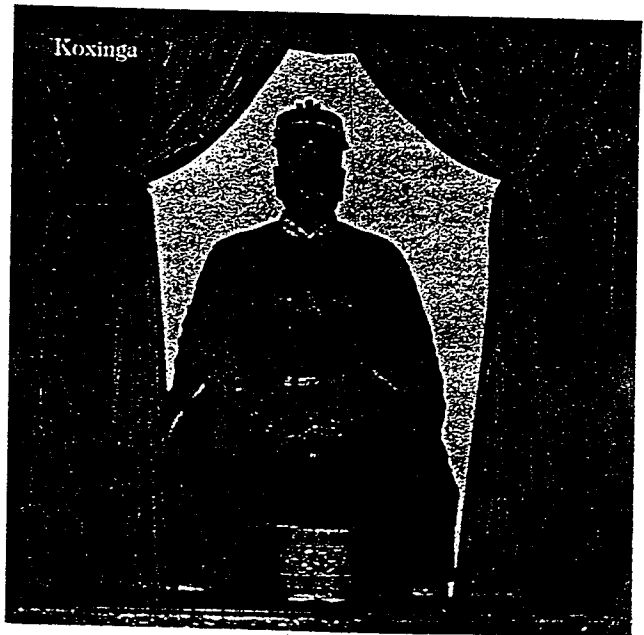
About two-thirds of the island is covered with lushly forested mountains, including the highest peak in Northeast Asia, Jade Mountain, at 3,950 meters (12,960 ft.) above sea level. The natural bounty of beauty includes sun splashed beaches and tranquil lakes, gushing waterfalls and soothing hot-springs, and an exotic array of tropical flora and fauna. The island ranks as one of the most agriculturally productive places in all of Asia and enjoys an annual rainfall of more than 1,500 mm. (60 inches).

With a population of 20 million people, Taiwan is one of the most densely populated pieces of land on earth. About 2.7 million of those people live in Taipei City and another 323,000 are ethnic aborigines who live in remote mountain villages. The majority of Taiwan's Chinese populace traces its ancestry back to Fukien province in mainland China.

Taiwan has had a long and colorful history. First mentioned in Han Dynasty chronicles over 2,000 years ago, it was later claimed in the name of the Emperor of China by the seafaring eunuch and magistrate Cheng Ho in 1430. During the 17th century, when the Manchus invaded China and toppled the Ming Dynasty, Taiwan became an island of refuge for patriotic Ming loyalists, led by the great Ming hero Koxinga (Cheng Cheng-Kung), who ousted the Dutch from their colonial settlement in southern Taiwan and established the island's first Chinese government. Koxinga's heirs

resisted Manchu rule for half a century, before the island was finally incorporated as a prefecture of the Chinese empire in 1684. In fact, however, Peking never managed to establish effective control over the feisty, prosperous island.

In 1895, Taiwan was ceded to Japan as booty in the wake of the Sino-Japanese War. For 50 years it remained under the yoke of colonial Japanese rule, until the end of World War II, when Taiwan was restored to Nationalist Chinese control in 1945. In 1949, when the communists usurped the Chinese mainland, President Chiang Kai-shek led his best divisions and a loyal entourage of patriots across the Taiwan Straits, establishing the provisional capital of the Republic of China in Taipei. Since then, Taiwan has enjoyed unprecedented prosperity and the fastest rate of modern development ever witnessed in the world. Indeed, Taiwan's rapid rise to the top echelon of industrial and trading powers has been called an "economic miracle."



附件(三)

Meeting Programme

Sunday, November 15

5.00 p.m.
6.00 p.m.

Registration at the Hotel IMPERIAL, Ostrava downtown
Welcome Dinner, within walking distance, Restaurant
ESPANA.

Monday, November 16

8.00 a.m. - 9.00 a.m.
8.30 a.m.
9.00 a.m. - 12.00 a.m.

Breakfast
Departure by bus for VSB-TUO Campus in Ostrava-Poruba
Rector's Conference Room,
The Steering Committee Session - Part I
- Detailed plans for ICEE'99
- Review of plans for pre- and post-conference workshops
- Review of technical tours

12.00 a.m. - 1.30 p.m.
1.30 p.m. - 4.00 p.m.

Lunch, University Campus Refectory
Rector's Conference Room,

The Steering Committee Session - Part II
✓ - Review of further details from Taiwan, ICEE-2000
- The same from Norway (2001), U.K. (2003) and France
(2004).

4.00 p.m.
5.00 p.m.
7.00 p.m. - 10.00 p.m.

Refreshment, University Campus Refectory
Departure by bus for the hotel
The Moravia-Silesia National Theatre,
Concert of the chamber music, Virtuosi di Praga, at the occasion
of the International Student Day, Refreshment.

Tuesday, November 17

7.30 a.m. - 8.30 a.m.
9.00 a.m. - 12.00 a.m.

Breakfast
Klub ALFA (within walking distance from the hotel)
Plenary session of the
Scientific Board of the Technical University of Ostrava
Lunch
Excursion to the places where the ICEE'99 will be held.
Dinner, Hradec upon Moravice, Castle.

12.00 a.m. - 1.30 p.m.
2.00 p.m. - 5.00 p.m.
6.00 p.m. - 8.00 p.m.

Wednesday, November 18

7.30 a.m.
1.00 p.m. - 2.30 p.m.
2.30 p.m. - 4.00 p.m.
4.00 p.m.

Transfer to Prague, cars departure from the hotel, Imperial
Lunch, Klub architektu, Betlemske nam., Praha 1
Short sightseeing walk about Prague downtown
Rector's conference room at the Czech Technical University in
Prague
The Steering Committee Session - Part III
- Detailed plans of post-conference workshops in Prague
- excursion to the places where the ICEE'99 post-conference
workshops will be held.

Accommodation, Novomestsky hotel, Reznicka ul, Praha 2 (One
night accommodation, 18-19 Nov 98, including breakfast at the
cost of VSB-TUO.)

ICEE 99,
STEERING COMMITTEE PARTICIPANTS
Ostrava/Prague, 15-13 Nov 1998

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