

出國報告

08/23-09/04/2008 赴澳洲參加

The 22nd International Congress of Theoretical and Applied Mechanics (ICTAM 2008)
及澳洲學術研究機關參訪

台灣大學機械系/工工所 吳文方 撰

09/10/2008

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一、出國事由

國際理論及應用力學研討會(International Congress of Theoretical and Applied Mechanics, 簡稱 ICTAM)為目前世界上有關理論及應用力學方面(包括固體力學及流體力學)最具知名度、也最具國際學術權威的研討會,它濫觴於1924年,歷史十分悠久。該研討會主要由國際理論及應用力學組織(The International Union of Theoretical and Applied Mechanics, 簡稱 IUTAM)所主導,而 IUTAM 也是國際科學總會(International Council for Science, 簡稱 ICSU)的團體會員之一。ICTAM 除前七屆外,自1952年(第八屆)至今,每四年在世界各國輪流主辦,迄今已有八十年的歷史。ICTAM 上屆(第二十一屆)會議於2004年在波蘭華沙舉辦,本屆(第二十二屆,亦簡稱為 ICTAM 2008)則於2008年8月24日至30日在澳洲 Adelaide (阿德雷德)舉行。由於這個研討會具有極高的學術水準,世界各國知名的理論與應用力學學者皆會參與盛會。一般而言,每次 ICTAM 研討會皆有一千多篇重要的學術論文發表,而研討會也一向以嚴格審查投稿者的論文聞名,審查通過的比率約只佔投稿論文篇數的六成而已,各國相關學者也以能在此研討會中發表論文為榮,同時它也是各國理論與應用力學研究實力呈現的機會與場所。

目前國際理論及應用力學組織(IUTAM)共有49個會員國,並有17個與力學相關的國際學術學會隸屬在它底下,我國的「中華民國力學學會」為正式代表國內參與此國際組織的學術性學會。中華民國力學學會於民國69年代表我國加入 IUTAM,成為49個會員國之一,這是國內極少數可以會員國的名義加入國際學術性組織的學會,目前並由中華民國力學學會遴派兩位學者(台大機械系的馬劍清教授與清大動機系的王偉中教授)參與 IUTAM 的理事代表大會,直接參加此國際組織重要決策的擬定,並為我國在國際學術組織上發聲,因此由國內相關學者組成一個團隊共同參與 IUTAM 理監事會以及 ICTAM 2008 學術研討會實有其必要性,此舉除能增進國內研究人員與其他國家研究者的互動外,也可促成國際合作,並爭取相關的學術研討會(通常稱為 IUTAM Symposia)在我國舉辦。

由於 IUTAM、ICTAM 與國內力學學會之關係重要,我國力學學會理監事會先前即決議協助成立一個團隊參加 ICTAM 2008,並確定團隊召集人由我國 IUTAM 理事代表之一馬劍清教授擔任。在今年四月下旬研討會主辦單位完成投稿論文審查、並公布接受論文名單後,馬教授即著手團隊成員的遴選工作,並於5月23日在台大應力所所召開的第三十一屆理監事第三次聯席會議中,由馬劍清教授提出組團報告、確定團員名單,並擬定工作時程表。本次國際理論及應用力學學術研討會(ICTAM 2008)共接受我國29

篇論文發表，馬教授在團隊成員的選定上，主要係參照國科會補助團隊參與國際學術學會會議作業要點之各項規定，自 29 位國內參加本次研討會學者中，考量專門學識及研究經驗、研究領域、年齡分佈及在研討會中擔任及可能擔任之任務等各方面條件來遴選團隊成員，最後挑選馬劍清(台大、IUTAM 理事代表)，王偉中(清大、IUTAM 理事代表)，朱錦洲(台大、資深流力學者)，尹慶中(交大、中生固力學者)，陳正宗(海大、中生固力學者)，楊龍杰(淡大、中生固力學者)，潘國隆(台大、新生流力學者)，楊馥菱(台大、新生流力學者)等教授與筆者(中華民國力學學會前任秘書長、受邀發表論文並擔任 Session Chair)計九位組成團隊參與研討會。

在徵詢團隊成員同意加入團隊後，馬教授即負責與團員討論組團的各項事務、團隊在會議中所扮演的角色和可能擔任之任務。最後於五月下旬收集團員相關資料並撰寫組團規劃書及工作計畫報告書，由召集人馬劍清教授函送國科會提出組團申請。另外王偉中教授因曾任國科會國際合作處處長、現任清大的國際長，所以亦很積極地聯絡澳洲駐台代表處(澳大利亞商工辦事處-教育處)以及我國駐澳洲科技顧問組，協助安排本團順道在 Adelaide、Melbourne 與 Sydney 參訪該三地一些澳洲相關研究及學術單位，俾增進雙方的了解、進行交流、並爭取合作之機會。而後，國科會並未核定馬教授所申請的全部預算額度，僅補助團隊六十萬元，經衡量大家對於補助經費的需求，他決定他自己與筆者自行尋求其他經費支付所需，而將以上補助經費分配至其他 7 名團員身上。筆者因此事先向校方申請動用邁向頂尖大學計畫分配到系上的部份經費與校務基金(筆者過去國科會計畫之結餘款)作為出國經費的來源，並獲得校方之事先核准。

二、參加研討會經過

緣上，筆者與馬劍清教授雖自行設法支付出國經費，但因係隨團參加國際研討會、並隨團參訪澳洲的學術與研究機構，所以我們團員九人自出國至回國大抵皆係一起活動，期間並偶而與我國參加該研討會的其他學者專家碰面並/或共同參與活動。依馬教授事先向國科會所提的計畫書，團隊成員除了在研討會中發表各自的學術論文外，亦需積極參與各項學術交流活動，並爭取相關 Symposia 在國內舉辦之可能性。馬教授所擬定團隊召集人及團員所需肩負的主要任務包括：(一)由召集人馬劍清教授及王偉中教授參加 IUTAM 大會各項正式會議及委員會，時間主要為 8 月 26 日晚上與 8 月 27 日下午；(二)積極與 IUTAM 大會中新任各項重要職務的學者聯繫，並評估邀請他們來台訪問之可能性；(三)針對我國力學學會已爭取到、2009 年將於國內舉辦的 IUTAM Symposium on Recent Advances of Acoustic Waves in Solids 進行宣傳與邀稿；(四)爭取四年後在我國舉辦與實驗力學有關 IUTAM Symposium 的可能性，特別向新任 IUTAM Symposium Panels 成員表達我國舉辦該類 IUTAM Symposia 之意願，並爭取與會 IUTAM 代表的支持；(五)請王偉中教授參加 ICTAM 2008 期間在阿德雷德召開的 Beijing International Center for Theoretical and Applied Mechanics (BICTAM) International Advisory Panel (IAP)會議；(六)依澳洲駐台代表處(澳大利亞商工辦事處-教育處)與我國駐澳洲科技顧問組的安排，參訪澳洲相關學術研究機構，增加彼此相互了解，並爭取合作之機會；(七)責請團員積極參與 ICTAM 2008 各領域之相關研討會場次，並要求大家於會議結束回國後，撰文將研討

會的過程與重要收穫在中華民國力學學會會訊上公開發表。

8/24 (週日)-8/30 (週六) ICTAM 2008 正式會議期間，我們團員除各自於排定的時段前往宣讀、發表論文外，大致按照前段所提到的幾項要點行事。其中，在論文發表部份，研討會主要將所有一千多篇的論文分為固體力學(簡稱「固力」)與流體力學(簡稱「流力」)兩大部份，其中固力與流力各約佔論文篇數的 43%，固流互制者則約佔 14%。研討會當局將所有論文安排成 OL (Opening Lecture)、CL (Closing Lecture)、BL (Batchelor Prize Lecture)、HL (Rodney Hill Prize Lecture)、FL (Fluid Mechanics Lectures)、SL (Solid Mechanics Lectures)、FSL (Fluids and Solids Sectional Lectures)與 FM01-FM20、SM01-SM20、FSM01-FSM09 等領域，於 13 個場地同時、平行的進行宣讀、發表，內容幾乎包含所有力學領域，其中流力領域所頒授的 Batchelor Prize 與固力領域所頒授的 Rodney Hill Prize 皆係 IUTAM 與 ICTAM 所首創者，並獲出版商提供部份經費贊助。以上所有論文除特別演講外，一般人的論文大致被分配到前述所提流力 20、固力 20、固流互制 9、合計 49 個主題項目裡發表，各主題項目又分別被排到 13 個場地，每個場次有 4-6 篇論文被宣讀。而因時間與地點的安排不易，這些論文又被分為 Lecture 與 Seminar 兩種形式發表，前者每篇論文由作者於 20 分鐘內宣讀並與聽眾討論完畢，後者每篇論文則由作者以 5 分鐘的時間宣讀並與聽眾討論，另外再搭配事前與事後的海報張貼與解說。綜合而言，以上整個論文發表流程相當繁複，但大會當局卻安排的相當順暢，值得令人喝采與學習。

筆者所發表的論文題目為 Dynamic Analysis of Rail Vehicles and Investigation of Potential Derailment Caused by Wheel flats，被安排在 SM14: Multibody and Vehicle Dynamics 的主題項目內宣讀，該主題項目計有 28 篇論文發表，其中 7 篇以 Seminar 方式發表，其餘則以 Lecture 方式發表。筆者被分配於 8/26 上午 10:40-12:40 的場次以 Lecture 方式宣讀以上論文，並有幸被邀請於 8/29 上午 09:15-10:35 的場次擔任場次主持人(Session Chair)，前者有六篇、後者則有五篇論文宣讀，一切皆相當順利地完成任務。值得一提的是，筆者所主持的場次中，有一位德國 Stuttgart 教授、一位在美國 Lockheed 工作的博士、一位中國南京理工大學的教授、與兩位韓國 Ajou 大學的博士班研究生分別發表、宣讀論文，該兩位韓國研究生所發表的論文內容及其宣讀效果皆相當不錯，令人肯定，但問答、討論間則較無法掌握，所幸有其指導教授在台下幫忙補充釋疑。事後，筆者與該指導教授寒暄，才瞭解他與筆者類似，係 1980 年代在美國 Iowa 大學獲得博士學位，而後返回韓國任教迄今。相較於他目前的研究題目、研究能量與帶領所指導學生出國開會的態勢，筆者自忖實不如他，至少筆者無法獲得足夠經費同時帶領兩位研究生出國開會。

研討會依據預定進度於 8/29 下午兩點左右順利閉幕，閉幕典禮安排的節目包括 Closing Lecture、秘書處報告、前後任理事長交接、頒發獎狀與獎金予三位明日之星的年輕學者等，並由新任理事長宣佈下屆 ICTAM 將於 2012 年在北京舉行。我們幾位教授因係以團隊形式與會，所以大家全程參加閉幕典禮至禮成為止。

三、學術研究機構參訪經過

如前所述，筆者此次除隨團前往 Adelaide 參與 ICTAM 2008、發表論文並主持一研

討會場次外，也在澳洲駐台代表處(澳大利亞商工辦事處-教育處)以及我國駐澳洲科技顧問組的安排下，於8月29日至9月4日期間隨團參訪 Adelaide、Melbourne 與 Sydney 的一些學術與研究機構，進行交流並探詢學術合作之可能性。以下係我們團隊參訪行程的整理：

- (一)、8/27 於 Adelaide 一澳洲駐台代表處(澳大利亞商工辦事處-教育處)事先租好的旅館會議室與任教於 University of Melbourne 的 Professor Antoinette Tordesillas 會談、交流，探詢合作之可能性。
- (二)、8/29 訪問位於 Adelaide 近郊 Mawson Lakes 的 University of South Australia 工學校區，主要是參訪 School of Advanced Manufacturing and Mechanical Engineering、Mawson Institute 與 Ian Wark Research Institute，並獲 Professors Rob Short、Roger Horn、Andrew Parfitt 等人及他們團隊的接待。筆者因留在研討會會場主持一論文發表會場次，並未與會。
- (三)、9/1 上午參訪位於 Melbourne 市區內的 University of Melbourne，受到機械系主任 Professor Doreen Anne Thomas 及其同仁的接待，並參訪該系重點實驗室。
- (四)、9/1 下午訪問位於 Melbourne 近郊 Highett 地區、澳洲科研機構 CSIRO (Commonwealth Scientific and Industrial Research Organization) 所屬之 Materials Science and Engineering 實驗室，由 Research Group Leader of Fluid Dynamics 之 Dr. Ilija Sutalo 及其同仁接待，並參訪相關實驗室。
- (五)、9/2 參訪位於 Melbourne 市區邊緣之 ATSE (Australian Academy of Technological Sciences and Engineering)總部，由 Professors Mike Manton、Vaughan Beck、Terry Turney 等人接待，介紹 ATSE 及其相關之研究。
- (六)、9/3 上午參訪位於 Sydney 郊區 West Lindfield 之另一 CSIRO Materials Science and Engineering 實驗室，由 Drs. Don Price、Mikhail Prokopenko 及同仁接待，並參訪相關實驗室。
- (七)、9/3 下午參訪 University of Sydney，並特別至 Faculty of Engineering and Information Technologies 與 Professors Yiu-Wing Mai、Liyong Tong、Roger Tanner、Steve Armfield、John Small、David Mckenzie、Timothy Langrish 等人進行會談與交流。

謹將以上參訪行程列為本報告之附件，其詳細細節將可見於前述所提、參訪團隊之集體報告中。

四、攜回資料

研討會論文摘要集一本與研討會論文光碟一片。

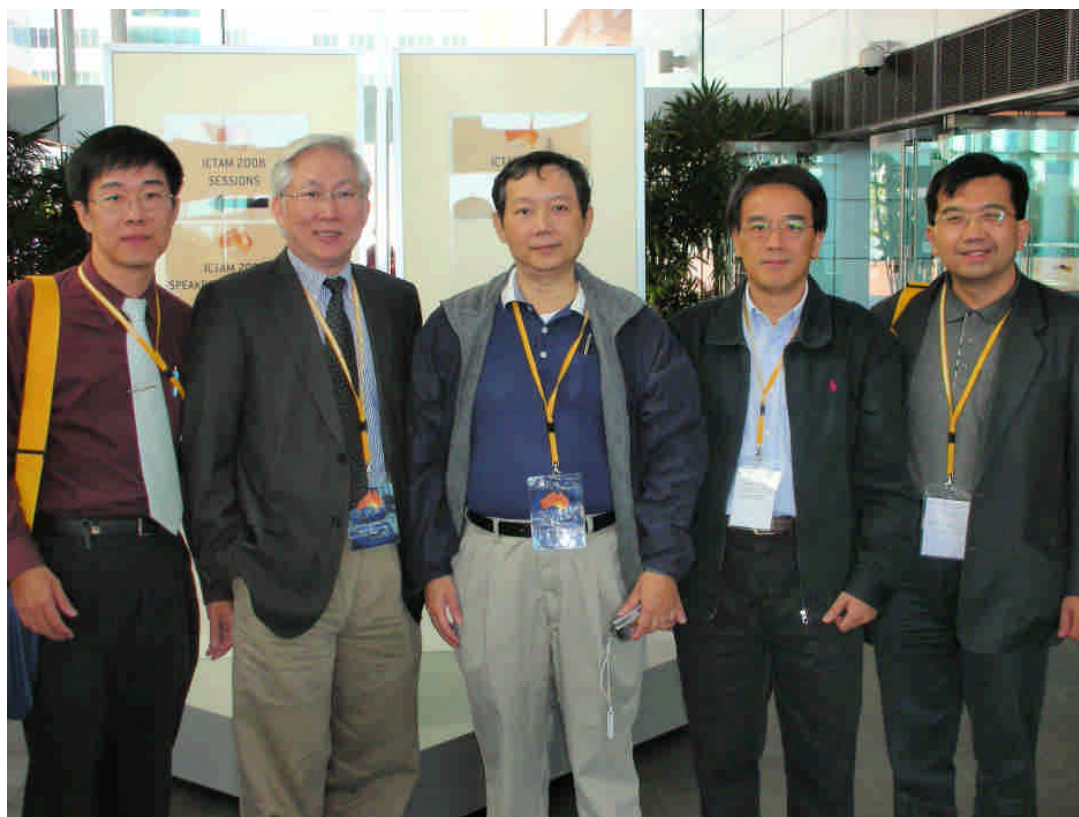
五、致謝

此次參與研討會及隨團參訪的經費擬由本校邁向頂尖大學計畫分配到系所的經費及校務基金下之國科會結餘款項目下支付，謹此致謝。

六、附件照片(九張)



相片一：研討會會場



相片二：筆者與國內幾位與會者



相片三：研討會場附近阿德雷德大學之工學院



相片四：本校楊馥菱教授之論文宣讀



相片五：團隊參訪墨爾本大學機械系



相片六：墨爾本大學機械系之風洞



相片七：墨爾本大學機械系之旋轉風洞



相片八：團隊成員與墨爾本大學之台灣留學生交談



相片九：位於墨爾本市區邊緣之 ATSE

七、附件：澳大利亞商工辦事處-教育處處長 Mr. Nicholas McKay 所協助安排的參訪行程(以下數頁)

Taiwan Mechanics Delegation - Visit Program in Adelaide

Monday - Thursday 25-28 August 2008

All Day Attend ICTAM 2008 in Adelaide

Wednesday 27 August 2008

13:00-15:00 Meeting with Professor Antoinette TORDESILLAS
University of Melbourne- *Taiwan Mechanics Delegation Meeting*
Venue: Telfer Room, Mercure Grosvenor Hotel
Address: 125 North Terrace, Adelaide 5000
Tel: (+61) 8 8407 8888

Friday 29 August 2008

AEI Director, Nicholas McKay will accompany the delegation for the rest of the visit (Mobile: 886-926005502)

08:15 Bus pick up two delegation members: Jeng-Tzong Chen & Lung-Jieh Yang from Breakfree Directors Studios
Address: 259 Gouger St., Adelaide
Hughes Cars: 8440 0766 / 1800 813 813

08:30 Bus pick up the rest of the delegation members at Oaks Embassy 96 North Terrace (*Delegates staying at the Oaks Horizons and Adelaide Riviera will need to make their way to the Oaks Embassy (walking distance)*)

09:00-11:30 Visit to University of South Australia (ref. Attachment A)

Afternoon Free

Saturday 30 August 2008

10:00-17:00 Adelaide Day Tour – McLaren Vale & Lunch at Coriole Winery
Des's Mini Bus – Tours & Charters
Ph: (08) 8234-8011

Pick up schedule

10:00: four delegation members (Wei-Chung Wang, Ching-Chung Yin, Chi-Hung Huang & Nicholas McKay) at Oaks Embassy
Address: 96 North Terrace, Adelaide

10:05: three delegation members (Chien-Ching Ma, Wen-Fang Wu & Kuo-Long Pan) at Comfort Hotel Adelaide Riviera
Address: 31-34 North Terrace Adelaide

10:10: one delegation member (Jeng-Tzong Chen) at Breakfree
Directors Studio
Address: 259 Gouger Street Adelaide

10:15: one delegation member (Thomas Tseng) at Oaks Horizon
Address: 104 North Terrace Adelaide

10:20: one delegation member (Fu-Ling Yang) at the The Guest House,
Adelaide
Address: 134 Wakefield St., Adelaide

18:00-20:30 Dinner hosted by AEI Taipei
Gauchos Argentinean Restaurant
Phone: 8231 2299
Address: 91 Gouger Street, Adelaide SA 5000

Sunday 31 August 2008

Morning Free

16:00 Travel to Adelaide Domestic airport by hired bus
Des's Mini Bus – Tours & Charters
Ph: (08) 8234-8011

Pick up schedule

16:00: four delegation members (Wei-Chung Wang, Ching-Chung Yin,
Chi-Hung Huang & Nicholas McKay) at Oaks Embassy
Address: 96 North Terrace, Adelaide

16:05: one delegation member (Jeng-Tzong Chen) at Breakfree
Directors Studio
Address: 259 Gouger Street Adelaide

16:10: two delegation members (Chien-Ching Ma & Wen-Fang Wu) at
Breakfree on Hindley
Address: 255 Hindley Street , Adelaide SA 5000

16:15: one delegation member (Fu-Ling Yang) at The Guest House,
Adelaide
Address: 134 Wakefield St., Adelaide

16:20: To be advised of hotel (Kuo-Long Pan)

17:25 Travel from Adelaide to Melbourne via Qantas Flight QF 692

19:10 Arrive in Melbourne

Attachment A:

University of South Australia



PROGRAM FOR

Taiwanese Mechanics, AEI Taipei
University of South Australia Visit
29 August 2008

Proposed Schedule:

Friday 29 th August 2008			
TIME	ACTIVITY	UniSA STAFF / Contacts	LOCATION
8:15am	<ul style="list-style-type: none"> Bus collect delegates from Breakfree Directors Studios Transfer to Oaks Embassy for pick-up 	<ul style="list-style-type: none"> Hughes Cars (ref. 626228) Pick up two delegation members: Professor Jeng-Tzong Chen & Professor Lung-Jieh Yang 	Breakfree Directors Studios, 259 Gouger St
8:30am	<ul style="list-style-type: none"> Bus collect from Oaks Embassy Transfer to Mawson Lakes (Admin) 	<ul style="list-style-type: none"> <i>Delegates staying at the Oaks Horizons and Adelaide Riviera will need to make their way to the Oaks Embassy (walking distance)</i> <i>Pick up the rest of the delegation members</i> 	Oaks Embassy 96 North Terrace
9:00am	<ul style="list-style-type: none"> Welcome by the School of Advanced Manufacturing & Mechanical Engineering Tour of facilities & discussions with staff 	<ul style="list-style-type: none"> Peter Bardadyn, <i>Business Development Manager</i> 	
	<ul style="list-style-type: none"> Meeting with the Mawson Institute Tour of facilities & discussions with staff 	<ul style="list-style-type: none"> Prof Rob Short, <i>Director - TBC</i> 	
	<ul style="list-style-type: none"> Meeting with the Ian Wark Research Institute Tour of facilities & discussions with staff 	<ul style="list-style-type: none"> Prof Roger Horn, <i>Deputy Director - TBC</i> 	
11:00am	<ul style="list-style-type: none"> Debriefing & Farewell 	<ul style="list-style-type: none"> Prof Andrew Parfitt, <i>Pro Vice Chancellor, Division of Information Technology, Engineering & the Environment</i> 	Mawson Centre
11:30am	<ul style="list-style-type: none"> Bus collect from Mawson Lakes (Mawson Centre) Transfer to Oaks Embassy Transfer to Breakfree Directors Studios 	<ul style="list-style-type: none"> Hughes Cars (ref. 626236) 	

University of South Australia



Delegates:

Name	Position	Institution
Professor Wei-Chung Wang – HEAD OF DELEGATION	President Elect, Society for Experimental Mechanics (SEM) Professor, Department of Power Mechanical Engineering	National Tsing Hua University in Taiwan
Professor Tsung-Tsong Wu	Distinguished Professor, Institute of Applied Mechanics	National Taiwan University
Professor Lung-Jieh Yang	Professor, Department of Mechanical & Electro-Mechanical Engineering	Tamkang University
Professor Jeng-Tsong Chen	Life-time Distinguished Professor, Department of Harbour and River Engineering	National Taiwan Ocean University
Professor Chien-Ching Ma	Distinguished Professor, Mechanical Engineering Department	National Taiwan University
Professor Ching-Chung Yin	Associate Professor, Department of Mechanical Engineering	National Chiao Tung University
Dr. Chi Hung Huang	Deputy Director General, Instrument Technology Research Center	National Applied Research Laboratories
Dr. Thomas Tseng	Counsellor / Director, Science and Technology Division	Taipei Economic and Cultural Office, Canberra
Nicholas McKay	Director	Australian Education International, Taipei

(Please see attached information on participants for details of research interests / specialty areas)

Contact numbers

Mr Peter Bardadyn
Business Development Manager
School of Advanced Manufacturing & Mechanical Engineering
University of South Australia
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Mobile: (+61) (0)4??

Ms Alice Upton
Project Officer, International Relations
UniSA International
University of South Australia
Office: (+618) 8302 0067
Mobile: (+61) (0)423 843 925

Hughes Cars
8440 0766 / 1800 813 813
(quote reference number for specific transfer in question)

Taiwan Mechanics Delegation - Visit Program in Melbourne & Sydney

Sunday 31 August 2008

17:25 Travel from Adelaide to Melbourne via Qantas Flight QF 692
19:10 Arrive in Melbourne
19:30 Depart for Oaks on Market Hotel via hired bus
Address: 60 Market Street, Melbourne, VIC 3000
Phone +61 3 8631 1111
Fax +61 3 9629 6986

Bus: Murrays Australia Limited
Contact: Effie Stavropoulos, Tel: 02 6212 5800

Monday 1 September 2008

09:00 Delegation to meet Elizabeth Meier at Oaks on Market Hotel and walk to Elizabeth Street, catch tram to Grattan Street Tram Stop. Walk along Grattan Street to Uni of Melbourne.
09:50 Arrive at Gate 10, Grattan Street (ref. Attachment A). A member of staff of the International Relations Office will greet the delegation and accompany them to their meeting
10:00 Meeting with **Professor Doreen Anne Thomas**, Head of the Dept of Mechanical Engineering, **Venue:** Level 4, Building 170
<http://www.mame.mu.oz.au/about/welcome.html>
11:00 Campus Tour accompanied by some of the very bright and motivated students from the University of Melbourne's Taiwan Students Association
12:00 End of Official Programme. Suggest that the delegation have an informal lunch in Carlton where you can enjoy enticing aromas of Italy that lead you along the footpaths of Carlton!
13:40 Delegation to depart Carlton, travel to CSIRO in Highett (Attachment B)
14:30 Arrive at CSIRO Materials Science and Engineering, 37 Graham Road Highett
HOST: Dr Ilija Sutalo, Research Group Leader - Fluid Dynamics
Telephone: +61 3 92526343
Afternoon Delegation to return to Oak on Market Hotel at conclusion of visit.
18:00 Delegation to depart hotel, walk to restaurant for dinner
18:30 Arrive at Kun Ming Restaurant **HOST: Dr Thomas Tseng**
212 Little Bourke Street Melbourne Telephone: 9663 1851

Tuesday 2 September 2008

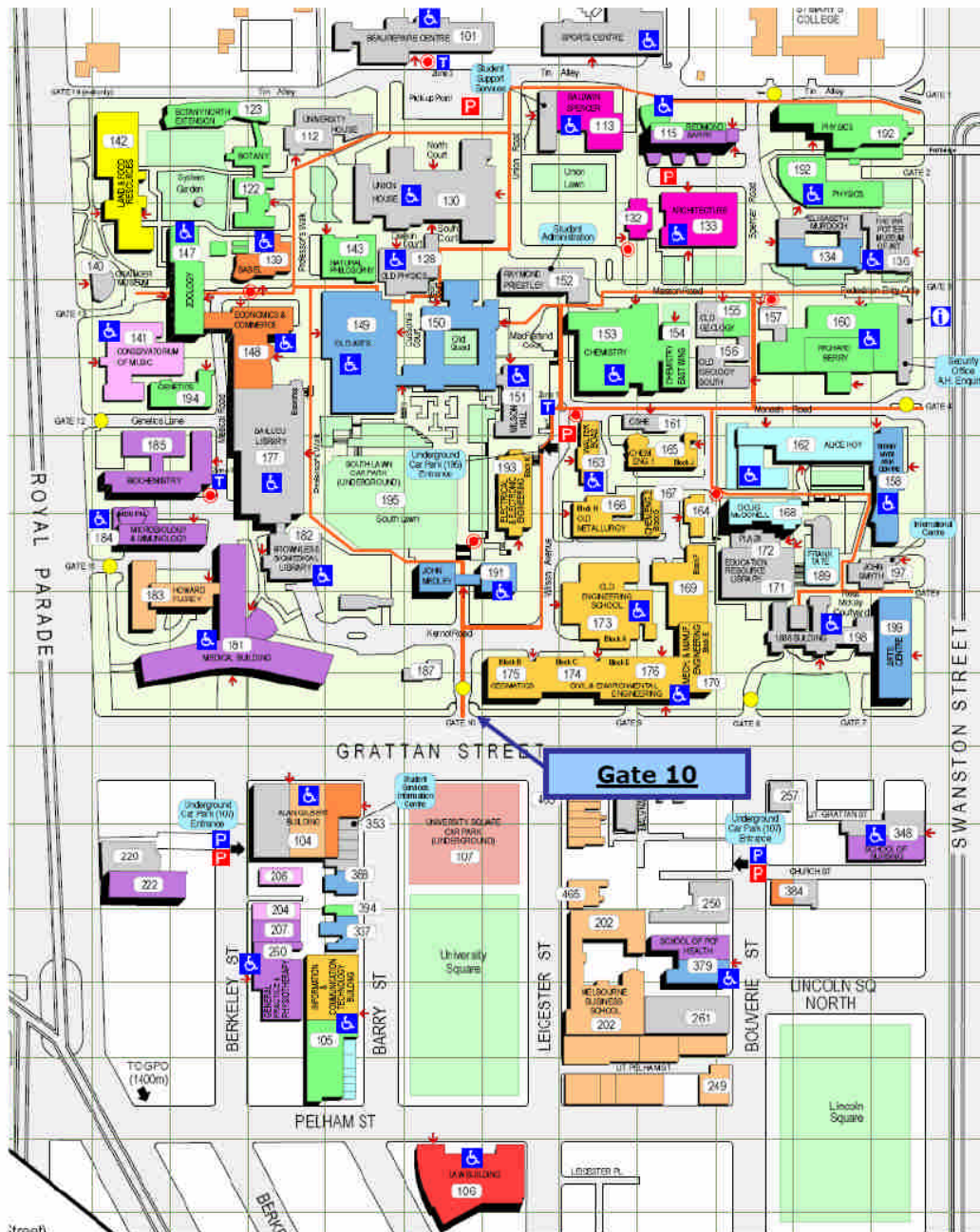
- 10:00 Met at the hotel lobby by AEI Director Nicholas McKay and depart for the Australian Academy of Technological Sciences and Engineering by taxi
- 10:30 Delegation arrive at Headquarters of the Australian Academy of Technological Sciences and Engineering, 197 Royal Parade Parkville.
- Programme:
- Welcome and overview of ATSE International Programme, ATSE projects, especially the soon to be released ATSE Report on Energy and Nanotechnology Project
 - Taiwan to report on visit to Australia
 - Roundtable discussion on areas of mutual interest, followed by light lunch to conclude the visit.
- Participants:**
- Professor Mike Manton FTSE**
Chair, ATSE International Strategy Group; formerly Chief Bureau of Meteorology Research Centre.
- Professor Vaughan Beck FTSE**
ATSE Technical Director; formerly PVC (Industry, Research and Region), VUT
- Professor Terry Turney FTSE**
Visiting Professor ARC Centre for Green Chemistry, formerly Director, CSIRO Nanotechnology Centre and Science Director Novel Materials and Processes, CSIRO Manufacturing
- Mrs Elizabeth Meier**, Manager International Linkages, ATSE
- Ms Meg Caffin**, International Liaison Officer, ATSE
- Early afternoon Free
- 15:10 Meet at the hotel lobby with luggage
- 15:15 Depart from Oaks on Market for Melbourne Domestic Airport via hired bus
Bus: Murrays Australia Limited
Contact: Effie Stavropoulos, tel: 02 6212 5800
- 17:00 Departure from Melbourne to Sydney via Qantas Flight QF452
- 18:20 Arrive in Sydney. Picked up by TECO S&T Division to Great Southern Hotel
Address: 717 George Street, Sydney, Australia, 2000
Phone: +61 2 92894200

Wednesday 3 September 2008

- 08:35 Meet at the hotel lobby
- 08:40 Delegation depart Great Southern Hotel, 717 George Street Sydney, travel to CSIRO
- 09:30 Meet with **Dr Don Price (CSIRO CMSE) and Dr Mikhail Prokopenko (CSIRO ICT)** at CSIRO Materials Science and Engineering (meet at Reception), Bradfield Road, West Lindfield Telephone: + 61 2 9413 7000
- Programme:
- Welcome and overview of CSIRO research activities
 - A Member of the Taiwanese Delegation to give an overview of their research areas and their universities' research strengths
 - Informal networking/ explore possible areas of S&T cooperation, over a cup of coffee or tea to conclude the visit.
- 11:30 Delegation to departure from CSIRO.
- 13:30 Delegation arrive at the University of Sydney, Clock Tower (ref. Attachment C). The best entrance to take is at University Avenue on Reference L2. Drive up and around the road, turn right at K3 (when you see the prominent Clock Tower) and follow the road up and around to the Clocktower.
To be met by Ms Gloria Macinante, International Liaison Officer (0413 888 015)
- 13:30-17:00 Visit at the University of Sydney(ref. Attachment D for visit program)
Host: Professor Yiu-Wing Mai FAA FTSE)
- 17:00 Leave the University of Sydney for Great Southern Hotel
This is the conclusion of the delegation visit.
- *Flight details/arrangement transfers returning to Taiwan at the discretion of the individual delegate.

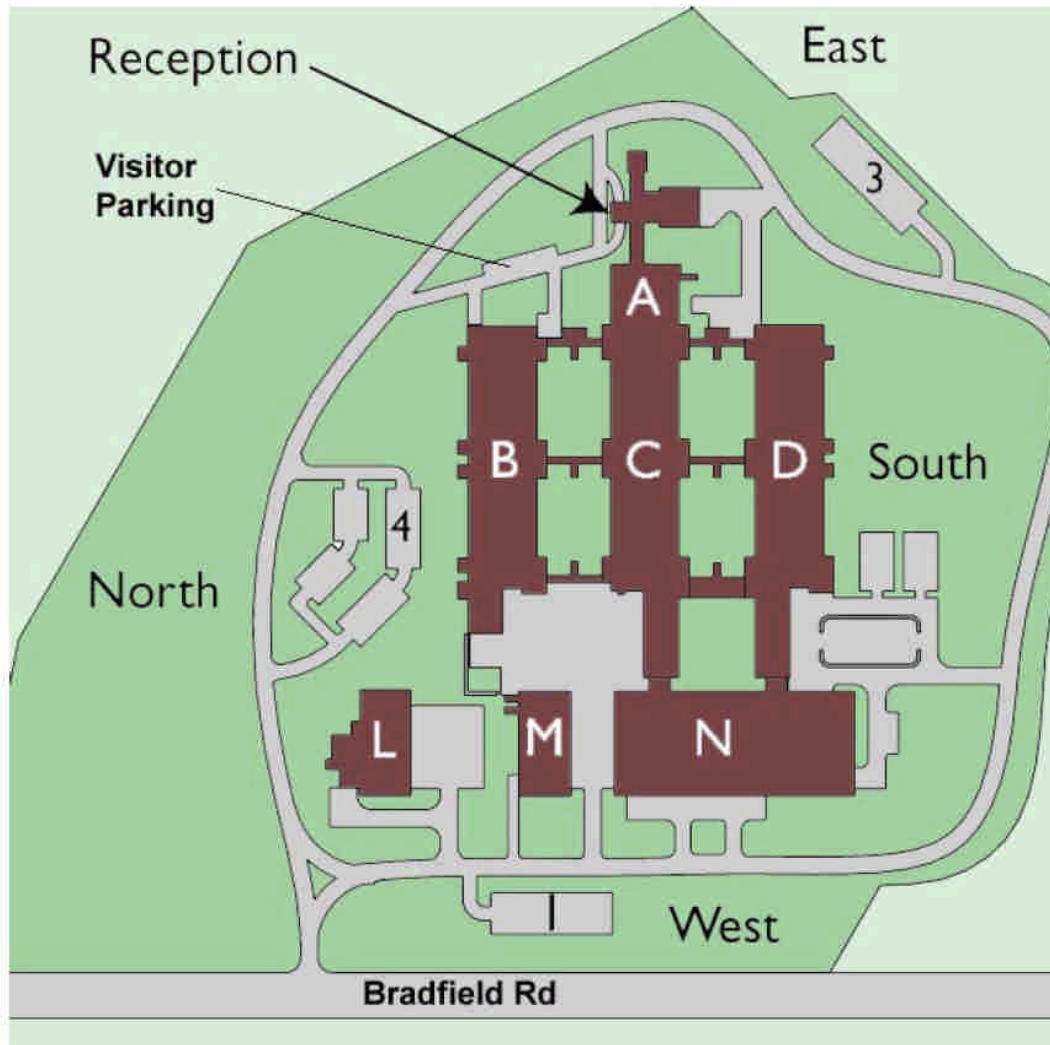
Attachment A: Location of Gate 10, the University of Melbourne

Location of Gate 10, Grattan Street



Attachment B: CSIRO

Lindfield site plan



Attachment C: University of Sydney



Attachment D:



The University of Sydney

Wednesday, 3 September 2008

**Visit by Taiwan Research Delegation
(Australian Academy of Technological Sciences and Engineering -AATSE)**

Delegation:

Prof Wei-Chung Wang (Delegation Leader), President-Elect, Society for Experimental Mechanics (SEM), Professor, Department of Power Mechanical Engineering
National Tsing Hua University in Taiwan
Prof Jeng -Tzong Chen, Distinguished Professor, Dept of Harbour & River Engineering,
National Taiwan Ocean University
Prof Chien-Ching Ma, Distinguished Professor, Mechanical Engineering Department,
National Taiwan University
Prof Ching-Chung Yin, Associate Professor, Dept of Mechanical Engineering, National
Chiao Tung University
Prof Fu-Ling Yang, Assistant Professor, Department of Mechanical Engineering, National
Taiwan University
Prof Wen-Fang Wu, Professor, Mechanical Engineering and Industrial Engineering,
National Taiwan University

Schedule

- 1.30pm** *Meet at The Clocktower at The Main Quadrangle, followed by Tour
Ms Gloria Macinante, International Liaison Officer, International Office*
- 2.00pm** *Welcome to The University of Sydney, Faculty of Engineering and
Information Technologies*
- **Prof Liyong Tong**, Associate Dean International, Faculty of Engineering and Information Technologies
 - **Prof Yiu-Wing Mai**, Professor/University Chair and Personal Chair in Mechanical Engineering, Director, Centre for Advanced Materials Technology, School of Aerospace, Mechanical and Mechatronic Engineering
 - **Prof Roger Tanner**, PN Russell Professor, School of Aerospace, Mechanical and Mechatronic Engineering
 - **Prof Steve Armfield**, Head, School of Aerospace, Mechanical and Mechatronic Engineering
 - **Prof John Small**, Acting Head, School of Civil Engineering
 - **Dr Timothy Langrish**, Head, School of Chemical and Biomolecular Engineering
 - **Prof David McKenzie**, Professor, Applied and Plasma Physics, School of Physics
 - **Dr Luming Shen**, Senior Lecturer, School of Civil Engineering

Venue: School of Information Technologies Boardroom

2.00-2.30pm	<p><i>Presentation by Prof Liyong Tong, Associate Dean International, Faculty of Engineering and Information Technologies</i></p> <p><i>Venue: School of Information Technologies Boardroom</i></p>
2.30-3.15pm	<p><i>Presentation by Delegates</i></p> <p><i>Venue: School of Information Technologies Boardroom</i></p>
3.15-3.40pm	<p><i>Afternoon Tea and Discussions</i></p>
3.45-4.50pm	<p><i>Individual Meeting according to Research Interests</i></p> <p>Prof Wei-Chung Wang and Prof Ching-Chung Yin with Dr Luming Shen <i>(Venue: Room 404, Civil Engineering Bldg)</i></p> <p>Professor Chien-Ching Ma and Professor Wen-Fang Wu with Prof Yiu- Wing Mai <i>(Venue: Sch of Information Technology Meeting Room 230)</i></p> <p>Professor Fu-Ling Yang with Prof John Small <i>(Venue: Room 413, Civil Engineering Bldg)</i></p> <p>Professor Jeng -Tzong Chen with Prof Steve Armfield <i>(Venue: Rm S422, Mechanical Engineering Bldg)</i></p>
5.00pm	<p><i>To re-convene at entrance to School of Information Technologies Boardroom</i></p>
5.00pm	<p><i>Visit Concludes</i></p>