

美南國建協進會

The Association of Chinese American Professionals

二零零七年科學工程技術研討會暨年會



2007

Science Engineering and Technical Seminars (SETS)

大會議程

Program

Theme: Technology, Medical, Business and Humanity

會議主題：科技、醫學、商務與人文

Saturday, May 26, 2007

Sugar Land Marriott Hotel
16090 City Walk, Sugar Land, Texas

For more information:
<http://www.acap-usa.org>





An introduction to GLOBALPRENE™ Polymers

Foreword

LCY is a leading manufacturer of thermoplastic rubber. We offer a variety of products suitable for use in asphalt modification, adhesives, plastic modification and compounding. Our production plants are located in Kaohsiung, Taiwan and Baytown, Texas. With production facilities in Taiwan and the USA, LCY has the global capacity to produce 190,000 metric tons of thermoplastic rubber annually. This allows us to strive towards true globalization of our thermoplastic rubber business by importing and exporting our products worldwide. Our capacity also provides us with an efficient production capability through coordinated production campaigns and grade rationalization. As one of the leading thermoplastic rubber producers in the world, we understand that innovation is the key to maintaining that status. Therefore, we have embarked on a path that will yield new, value added products for our customers as our efforts in research and development have been increased significantly. LCY is well aware that customer satisfaction is the driving force in any successful business. We have taken steps to provide outstanding customer service, technical service, and sales support. We aspire to provide the highest quality products and services to the total satisfaction of our customers.



L.C.Y.C.I.C.

LCY Elastomers LP

A Welcome Message from the President of ACAP

Greetings!

Welcome to the annual Science, Engineering, and Technology Seminar (SETS, 科學工程技術研討會)! The Association of Chinese-American Professionals (ACAP, 美南國建協進會) has hosted this meeting in Houston, Texas every year since its founding in 1978. We will soon celebrate our 30th anniversary in 2008.

SETS is not exclusively for ACAP members. It provides a platform for bringing together many scientific, medical, and business communities as well as individuals who wish to discuss and share their experiences in the workplace and with personal growth. As a non-profit organization, our mission is to promote professional growth of our members and to facilitate the exchange of knowledge and ideas in the Chinese American community. Working with various peer organizations in the city, we have organized many sessions ranging from Nano Technology and Personal Information Management, to Environment Technology and Alternative Energy.

On May 4th 2007, ACAP hosted its seventh Diversity Summit (DS, 多元化高峰會議) in this same hotel. This year's conference continues our commitment to help to create inclusive environments in workplaces across the region that value diverse skills, perspectives, and backgrounds. The theme of this year's conference is "Maximizing the Potential of a Diverse Workforce." It attracted over 300 attendees from major corporations as well as small businesses. This is our effort to reach out to the main stream and we have been very successful in doing so for several years.

I am very proud to serve as the 29th president of ACAP. That being said, none of the meetings (DS and SETS) could have been successful without the hard work of volunteers or the generous support of sponsors and collaborating organizations. I sincerely thank everyone who made these events possible. They will be acknowledged on separate pages in the program.

We think you will find today's conferences informative, thought-provoking, and fun. Please let us know if there is anything that we can do better the next time.

Enjoy the day!



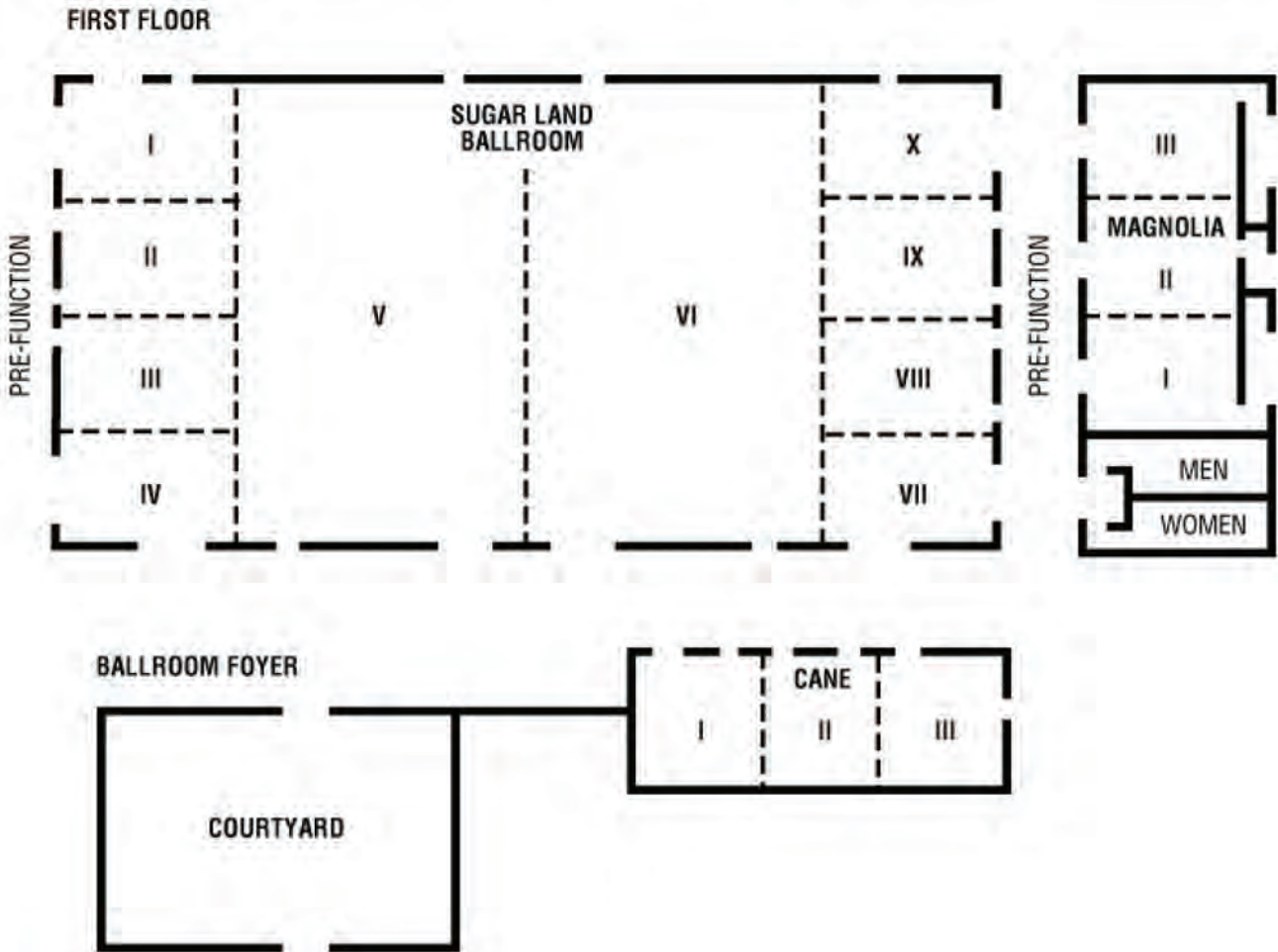
黃壽萱 會長
Stephen Huang
President, ACAP

二零零七年科學工程技術研討會暨年會
2007 Science Engineering and Technology Seminars (SETS)
 Sugar Land Marriott Hotel
 Saturday, May 26, 2007
Schedule-at-a-Glance

7:00am-8:00am	Speakers and Chairs Breakfast (Cane I)			
8:00am-9:00am	Registration (Ballroom Foyer)			
9:00am-12:00pm	Nano Technology 【奈米科技】	Healthy Living 【生活時尚】	Environmental Technology 【資源回收與商機】	Information Technology 【資訊技術】
	Nano & Composite Technology 奈米及複合技術 Chairs : Su-Seng Pang, Howard Paul 主持人：彭樹成, 浦浩德	Yoga and Younger – Looking Skin Prevention 瑜珈與預防皮膚老化 Chair : Michelle Wu 主持人：陳美雪 世界華人工商婦女企管協會 美南分會協辦	Trash to Treasure – A Business Opportunity for All 廢棄物變財富的商機 (This session starts at 10:00am) Chair : Edward Chen 主持人：陳天生	Personal Information Management 個人資料管理 Chair : Jessie Wang 主持人：汪乃強 華人電腦協會協辦
	Sugar Land Ballroom VII	Sugar Land Ballroom VIII	Sugar Land Ballroom IX	Magnolia I - III
12:00pm-2:00pm	Luncheon and Keynote 【午餐及專題演講】 (Sugar Land Ballroom VI) <ul style="list-style-type: none"> • Lunch • Keynote Speaker : Y. H. Michael Pao, Dr. Eng., Member, National Academy of Engineering USA, Chairman and CEO, Floating Windfarms LLC 鮑亦和 博士，美國國家工程院 院士，美國浮海風電公司董事長 "Converting Wind at Sea to Low-Cost 'Green' Electricity with Cost-Effective Floating Windfarms" 「以海風電代煤，以海風電代油：發展經濟實的 浮海風電場 - 把海風變成便宜的綠電」 • Award Presentation • Leadership Scholarship Presentation 			
2:00pm-5:00pm	Retirement & Estate Planning 【退休與遺產規劃講座】	CPA Session 【專業會計師財務管理研習班】	Energy Technology 【能源科技】	Medical Session 【醫學講座】
	How to Retire Happy and Fundamentals & Significance of Estate Planning 如何安享退休生活與遺產規劃的原則和重要性 Chair : Sheree Lee 主持人：唐心琴 休士頓華人專業協會協辦	Capital Resources and Financial & Tax Planning for the Small to Medium Businesses 中小企業融資和財稅計劃 Chair : Susan Chen 主持人：辜淑芬 僑務委員會休士頓華僑文教服務中心協助規劃 休市華美會計師協會協辦	Wind Energy 風力發電 Chair : Chi-Chung Chang 主持人：張濟群	如何提升你中年後的健康、活力與幸福 Chair: Karl K. Chen 主持人：陳康元
	Sugar Land Ballroom VII	Sugar Land Ballroom VIII	Sugar Land Ballroom IX	Magnolia I - III

二零零七年科學工程技術研討會暨年會
2007 Science Engineering and Technology Seminars (SETS)
Sugar Land Marriott Town Square
May 26, 2007

Conference Center Floor Plan



All activities are located on the first floor.

Session Information

Time	Session
9:00am-12:00pm	<p>[Nano Technology Session] 【奈米科技】</p> <p>Chairs: Dr. Su-Seng Pang (彭樹成), Louisiana State University, and Dr. Howard Paul (浦浩德), P.E., ACAP Director</p> <p>Theme: Nano and Composite Technology 主題: 奈米及復合技術</p> <p>Paper Presentations (論文發表):</p> <p>Speaker #1: Amit Maha, Ph.D. Student Department of Mechanical Engineering, Louisiana State University Title: Multiphase Numerical Simulations for Micro-Geometries: Novel Heat Transfer Mechanism for Pressurized Water Reactors (PWR) (Co-authors: Dr. Mayank Tyagi, Dr. Su-Seng Pang, Dr. Gougiang Li)</p> <p>Speaker #2: Dr. Guoqiang Li, Joint Assistant Professor Southern University/ Department of Mechanical Engineering, Louisiana State University Title: Rubberized syntactic foam (Co-Author: Nji Jones)</p> <p>Speaker #3: Dr. M.A. Wahab, Associate Professor Department of Mechanical Engineering, Louisiana State University Title: Fatigue Damage Accumulations in Aerospace Structural Materials (Co-Authors: Dr. Su-Seng Pang, Dr. M.S. Alam)</p> <p>Speaker #4: Dr. Jinqian Cheng, Research Associate Department of Mechanical Engineering, Louisiana State University Title: Multi-domain Hermite-Differential Quadrature Method for Composite Structure Analysis (Co-authors: Dr. Guoqiang Li and Dr. Su-Seng Pang)</p> <p>Speaker #5: Dr. Shengmin Guo, Assistant Professor Department of Mechanical Engineering, Louisiana State University Title: Ceramic and Nafion Nanofibers for Fuel Cell Application</p> <p>Speaker #6: Gefu Ji, Ph.D. Student, Louisiana State University Title: Mechanical properties of Fiber-Reinforced Polymer Pipe Embedded with Optical Fiber (Co-Author: Guoqiang Li)</p> <p>Speaker #7: Dr. Su-Seng Pang, Professor, Louisiana State University Title: Adhesively Bonded Smart Composite Joints: An Overview (Co-Authors: Dr. Jinqian Cheng, Dr. Guoqiang Li)</p>

Time	Session
<p data-bbox="159 254 277 323">9:00am-12:00pm</p> <p data-bbox="217 495 289 527">Part I</p> <p data-bbox="207 1482 289 1514">Part II</p>	<p data-bbox="318 254 829 289">[Healthy Living Session] 【生活時尚】</p> <p data-bbox="318 331 894 367">世界華人工僑婦女企管協會美南分會協辦</p> <p data-bbox="318 411 699 447">Chair: Michelle Wu (陳美雪)</p> <p data-bbox="318 495 574 527">9:00 am – 10:15 am</p> <p data-bbox="318 537 493 573">Theme: Yoga</p> <p data-bbox="1016 537 1187 573">主題: 瑜 珈</p> <p data-bbox="318 615 824 651">Speaker: Joy Winkler, Joy Yoga Center</p> <p data-bbox="318 682 1479 926">Joy has been named as one of the top yoga instructors in Health and Fitness Magazine. She brings an instinctive flow to each of her classes as she guides her students to self-awareness of mind and body thus giving them the ability and courage to move beyond former limitations. Her classes are kept fresh by Joy's integration of her own yoga practice, 20-year dance background, and ongoing studies with widely respected teachers such as Shiva Rea, John Friend, and Jonny Kest.</p> <p data-bbox="318 957 1479 1157">"Yoga is a metaphor for life." The benefits of focusing on and flowing with prana (life force) are things with which Joy has first-hand knowledge, having switched from a mechanical engineering career to follow her passion for healing. Joy also extends that passion to the community through Joy Yoga Center's involvement with various charitable organizations.</p> <p data-bbox="318 1188 1479 1388">我們所處的現代生活，慢慢失去自然色彩的人類，已因神經的磨損和體力的消耗而降低了人類原有的自然治癒力。在欲叫不能的抑壓生活環境中，現代人從心低渴望著舊有的生活。瑜珈是唯一能滿足這種渴望。它包含著所有我們生活在現代所需求的東西。完整的健康、均衡的身體，常保年青、堅毅的精神力，明晰的頭腦、安穩的心情，這一切都以合理的修行方法給我們明確的答覆。</p> <p data-bbox="318 1482 591 1514">10:30 am – 11:45 am</p> <p data-bbox="318 1524 867 1560">Theme: Younger-Looking Skin Prevention</p> <p data-bbox="1016 1524 1292 1560">主題: 預防皮膚老化</p> <p data-bbox="318 1602 1333 1633">Speaker: Dr. Min-Shern Liu, D. O., Member of American Board of Anti-Aging</p> <p data-bbox="318 1644 980 1675">主講人: 劉明昇醫師，美國抗衰老醫師協會醫師</p> <ol data-bbox="375 1707 1300 1955" style="list-style-type: none"> 1. Signs of Aging 皮膚老化的症狀與現象 2. Cause of Aging Skin 皮膚老化的原因 <ul data-bbox="415 1797 797 1871" style="list-style-type: none"> • Intrinsic Aging 內在因素 • Extrinsic Aging 外在因素 3. For Healthier, Younger-Looking Skin Prevention 如何預防皮膚老化 4. Skin Treatment Options 皮膚治療的方法

Time	Session
10:00am-12:00pm	<p data-bbox="316 254 1089 289">[Environmental Technology Session] 【資源回收與商機】</p> <p data-bbox="316 333 927 369">Chair: Edward Chen (陳天生), City of Houston</p> <p data-bbox="316 411 1081 447">Theme: Trash to Treasure – A Business Opportunity for All</p> <p data-bbox="316 453 841 489">主題: 資源回收 - 廢棄物變財富的商機</p> <p data-bbox="316 531 927 567">Speakers: Experts in their area of specialization</p> <ul data-bbox="345 615 1474 1125" style="list-style-type: none"> ▪ Harvey Houg (洪榮勳), Advisor, EPA, Taiwan ROC (台灣環保署顧問) ▪ Emanuel Bodner, President, Bodner Metal and Iron Corporation (金屬公司總裁) ▪ Jeff Boyd, Regional Material Marketing Manager, Allied Waste Services (德州區廢紙市場經理) ▪ Jon Stephens, Vice President, Avangard Innovative (廢塑膠公司副總裁) ▪ Mike Davis, President, Gulf Coast Scrap International, Inc. (廢塑膠公司總裁) ▪ Rick Horner, Central Region Manager, Amandi Asset Management Disposition (廢電腦公司經理) ▪ J. J. Kim, Sales Manager, Abitibi Consolidated (廢棄物公司市場經理) ▪ Paul Liou (劉志中), Marketing Director, K & P Trading LLC (廢金屬公司總裁) ▪ Tushar Patel, Area Manager, ScrapComputer.com (廢電腦公司經理) <p data-bbox="323 1178 1479 1352">A seminar is designed to create business opportunities for everyone. Far more than just conserving natural resources make wise use of these resources obtained from consumers including aluminum, tin, scrap metal, newspaper, plastic, electronics, etc. This seminar is created to share global marketing strategies.</p> <p data-bbox="323 1402 1468 1724">在今天「廢棄物回收」這名詞已是眾所週知的環保常識，政府及產業界亦對此項環保活動加以推動，因為人類每天所丟棄的垃圾中實在有許多可再循環利用的有用資源。在這個討論會中，大會將邀請全國及休士頓地區著名的回收公司及廠商的負責人與專家，就現今最搶手的廢紙、廢金屬、廢塑膠及廢電腦進行討論，專家們將發表現今美國及全世界對這些廢棄物的市場需求價格以及未來的商機做一介紹。各位知道全世界最大最多的製造廠商在中國大陸，中國急迫需要的回收資源帶動了世界資源回收物的價格上揚。這對有興趣從事資源回收物進出口貿易的業者，提供一個最佳的機會與這些公司的代表們洽談商機。</p>

Time	Session
9:00am-12:00pm	<p data-bbox="316 254 954 289">[Information Technology Session] 【資訊技術】</p> <p data-bbox="316 331 571 367">華人電腦協會協辦</p> <p data-bbox="316 409 701 445">Chairs: Jessie Wang (汪乃強)</p> <p data-bbox="316 487 1291 522">Theme: Personal Information Management 主題: 個人資料管理</p> <ul style="list-style-type: none"> <li data-bbox="365 564 571 600">I. Introduction <li data-bbox="365 600 680 636">II. PDA & Smart Phone <ul style="list-style-type: none"> <li data-bbox="462 636 665 672">a. Comparison <li data-bbox="462 672 755 707">b. Computer interface <li data-bbox="462 707 711 743">c. Common issues <li data-bbox="462 743 659 779">d. Application <li data-bbox="365 779 659 814">III. Desktop vs. Laptop <ul style="list-style-type: none"> <li data-bbox="462 814 1140 850">a. Desktop for performance and Laptop for mobility <li data-bbox="462 850 776 886">b. Window Vista or not <li data-bbox="462 886 789 921">c. File layout and search <ul style="list-style-type: none"> <li data-bbox="527 921 964 957">i. MS vs. Google desktop search <li data-bbox="462 957 760 993">d. Backup vs. Archive <li data-bbox="365 993 894 1029">IV. Home/Small Office Network Security <ul style="list-style-type: none"> <li data-bbox="462 1029 708 1064">a. Wireless access <li data-bbox="462 1064 878 1100">b. Firewall and virus protection <li data-bbox="462 1100 1010 1136">c. Email security – Personal vs. Company <p data-bbox="316 1188 1474 1413">隨著科技的快速成長，資料管理也日趨複雜。從手機到手提型電腦，乃至於桌上型電腦，其推陳出新的速度，已讓人們目不暇給。如何在眾多的選擇中，找到適合的組合，以成為很多人的煩惱。針對這些不同的挑戰，本次的研討會將循序為您介紹各種不同的機種，以及如何有效的將他們結合起來，讓您能夠有效的管理個人資料。此次研討會的內容將包括：</p> <ul style="list-style-type: none"> <li data-bbox="373 1457 1458 1493">1. 個人數位助理 (Personal Digital Assistant, PDA) 與智慧型電話 (Smart Phone) 的比較 <li data-bbox="373 1493 800 1528">2. 如何選擇手提型或桌上型電腦 <li data-bbox="373 1528 753 1564">3. Windows Vista 您是否適用 <li data-bbox="373 1564 800 1600">4. 家庭及小型辦公室之網路安全 <p data-bbox="316 1665 1474 1749">希望能藉著相互討論，此次研討會能簡化您的個人資料管理的程序，並且有效的運用您現有的硬體及軟體。</p>

Time	Session
12:00pm-2:00pm	<p data-bbox="316 254 930 289">[Luncheon and Keynote] 【午餐及專題演講】</p> <ul style="list-style-type: none"> <li data-bbox="345 331 483 367">▪ Lunch <li data-bbox="345 409 1442 478">▪ Keynote Address: "Converting Wind at Sea to Low-Cost 'Green' Electricity with Cost-Effective Floating Windfarms" <li data-bbox="397 485 1463 562"> 專題演講: 「以海風電代煤, 以海風電代油: 發展經濟實的 浮海風電場 - 把海風變成便宜的綠電」 <li data-bbox="397 590 1300 779"> Keynote Speaker: Y. H. Michael Pao, Dr. Eng. Member, National Academy of Engineering USA Chairman and CEO, Floating Windfarms LLC 鲍亦和 博士, 美國國家工程院 院士 美國浮海風電公司 董事長 <li data-bbox="345 825 667 856">▪ Award Presentation <li data-bbox="427 877 992 913"> <i>ACAP 2007 Outstanding Service Award</i> <li data-bbox="467 934 797 970"> Alice Chen, 譚秋晴 女士 <li data-bbox="345 1010 894 1045">▪ Leadership Scholarship Presentation <li data-bbox="410 1066 1398 1178">1. Dr. Michael Pao Scholarship <ul style="list-style-type: none"> <li data-bbox="508 1108 1398 1178">• Andrew Shen, 沈時平, Senior at Bellaire High School in Bellaire, Texas <li data-bbox="410 1220 1430 1331">2. Formosa Plastic Company Scholarship <ul style="list-style-type: none"> <li data-bbox="508 1262 1430 1331">• William Yaohua Chu, 朱耀華, Junior at West Brook High School in Beaumont, Texas <li data-bbox="410 1373 1463 1556">3. Lovett Home Scholarship <ul style="list-style-type: none"> <li data-bbox="508 1415 1463 1484">• Justin Tam, 譚智瀚, Senior at Cypress Creek High School in Houston, Texas <li data-bbox="508 1484 1398 1556">• 'Tina' Xin Zeng, 曾昕, Senior at Plano East Senior High School in Plano, Texas

Time	Session
2:00pm-5:00pm	<p>[Retirement and Estate Planning] 【退休與遺產講座】</p> <p>休士頓華人專業協會協辦</p> <p>Chair: Sheree Lee (唐心琴)</p> <p>Theme I: Retirement Planning 主題一: 退休財務計劃</p> <p>Speaker: Nancy Chang (張碧南), Financial Consultant, A.G. Edwards</p> <p>Topic: How to Retire Happy 討論題目: 如何安享退休生活</p> <p>Retirement is an adventure that will lead you to new skills, insights, and satisfactions. The typical career lasts about thirty years. With good health, your retirement may endure as long as your career did, or even longer. Retirement can be a glorious time in your life if you take time plan ahead.</p> <p>The Keys to a Happy Retirement - New research reveals it is how you manage your time and money that count, not just how much you have got.</p> <p>Here are three steps to achieve a Happy Retirement:</p> <ol style="list-style-type: none"> 1. Plan Ahead <ol style="list-style-type: none"> a. Opportunity - have Freedom to pursuit your Dreams & Passions b. Challenge - lead a more Active and Extended Retirement c. Envision your Retirement – When, Where, What, How ... d. Investment Alternatives – how Investing can help Achieve your Goals e. Quantify and Manage Risks during Retirement 2. Establish Your Income Plan <ol style="list-style-type: none"> a. Create a Steady Income Stream b. Define Income Needs and Lifestyle Needs c. Take Inventory d. Match Resources with Income Needs and Lifestyle Needs e. Plan your Legacy 3. Prioritize Your Health <ol style="list-style-type: none"> a. Try to Control your Exit b. Focus on Wellness - prevention, LTC planning c. Become a Joiner – forming Social Networks d. Keep Active to a Point – Travel, Exercise, Activities, but Don't Overdo it e. Joy of Mentoring <p>退休生活意味著人生中追求另一種技能、成就與滿足的新境界。一般人工作大約 30 年的時間，你的退休年數可能與工作年數差不多，如果健康良好，退休年數可能更長。如果你及早妥善的規劃，你的退休生活應該是人生中非常愉快的時光。根據統計，想達到愉快的退休生活重點不在於你累積了多少的財富，而是你是否善於「安排你的時間」與知道「掌管你的資產」。</p>

2:00pm-
5:00pm

[Retirement and Estate Planning] 【退休與遺產講座】

Theme II: Estate Planning

主題二: 遺產規劃

Speaker: Amy Sung (宋秉穎), Attorney, Tony & Sung PC Co.

Topic: Fundamentals and Significance of Estate Planning

討論題目: 遺產規劃的原則和重要性

I. What is Estate Planning?

Estate planning is the process of controlling your assets, both during your life and after your death, with three primary objectives as follows:

1. to ensure that your assets will always be sufficient to provide for you and your family's lifestyle needs.
2. to make certain that your assets go to the people and/or organizations of your choosing.
3. to minimize the amount of taxes, fees, and court interference associated with settling your estate.

II. What's Happened While Dying Without an Estate Plan, without a Will.

III. What is a Will? Types of Wills. Requirements of a Will. Advantages and Disadvantages of Wills. Brief Introduction of Probate Process.

IV. Using Trusts in Your Estate Plan. What is a Trust? Types of Trusts.

V. Additional Planning Consideration, such as Durable Power of Attorney; Medical Power of Attorney, Designation of Guardian for Oneself; Living Will; Organ Donations; and Beneficiary designations for non-probate assets (such as IRAs, retirement benefits, life insurance, etc.)

VI. Applicable Federal Gift and Estate Tax Exemption Amounts. What is The Federal Estate Tax? What is The Federal Gift Tax?

1. 為什麼叫遺產規劃? 為什麼要做?

遺產規劃是為了保障你的財產。在您生前或死後可能有三種情況發生, 會影響您和您的家庭權益:

- 1) 確保您的資產有足夠的資金來維持您和您家人的生活。
- 2) 確保您的資產轉移到您選擇的人或機構。
- 3) 在規劃遺產時, 儘量減少費用、稅和法院費用。

2. 如果沒有遺產規劃, 也沒有遺囑時, 會發生什麼狀況?

3. 什麼是遺囑? 遺囑的種類, 遺囑需要寫些什麼? 立遺囑的優缺點? 大致介紹遺囑檢驗的步驟。

4. 遺囑規劃儘量使用信託基金。什麼叫信託基金? 信託基金的種類。

5. 除了遺產規劃附加的其它考量, 譬如, 財務授權書、醫療授權書、個人指定監護人、生死意願書、器官捐贈和不用經由法院認證財產受益人(如 IRAS、退休利益、生命保險等)。

6. 可應用的聯邦的贈與和遺產規劃免稅金額, 什麼是聯邦遺產稅? 什麼是聯邦贈與稅?

Time	Session
2:00pm-5:00pm	<p>[CPA Session] 【專業會計師財務管理研習班】</p> <p>僑務委員會休士頓華僑文教服務中心協助規劃 休市華美會計師協會協辦</p> <p>Chair: Susan Chen (辜淑芬), CPA, Chen, Shen & Co. P.C. CPAS</p> <p>Theme: Capital Resources and Financial & Tax Planning for the Small to Medium Businesses 主題: 中小企業融資和財稅計劃</p> <p>研習內容包括 中小企業管理, 中小企業貸款分析及中小企業稅務計劃。研習班將授與參加人士在職進修學時。</p> <p>Speaker: John Romeo, CPA Topic: Tax Planning for Small Business 討論題目: 中小型企業管理及稅務計劃</p> <p>Speaker: Ming Burdett (陳明華), Metro Bank Topic: Commercial Loans 討論題目: 中小型企業商業融資</p> <p>Speaker: Andrew Huang (黃恩德), VP, Branch Manager & Commercial Lending Officer, East West Bank Topic: SBA Loans 討論題目: 中小型企業聯邦 SBA 融資</p>

Keynote Speaker



Yih-Ho Michael Pao, Dr. Eng.

Member, National Academy of Engineering USA
Chairman, Floating Windfarms LLC

鮑亦和 博士，美國國家工程院 院士
美國浮海風電公司 董事長

Dr. Pao, a Chinese American, was elected a Member of National Academy of Engineering USA, in 2000; for his research, development, and commercialization of ultrahigh-pressure waterjet into industrial tools for waterjet machining, tunnel boring, and surface preparation. These innovations have created three new industries: *waterjet machining industry*; *trenchless industry*; and *waterjet surface preparation industry*. His windpower company has developed and commercialized the *vertical axis wind turbines*; and won the top national award for energy innovation for 1984, from the US Dept of Energy. He was cited by the French Journal 'Industries Techniques' in 1998 as one of the World's 100 important innovators for the past 40 years. He has formed six technology-based companies in the US, served as their CEOs, and led the efforts that developed and commercialized four new technologies into better industrial tools. And, in the process, created 3 new industries. He has taken three of his companies public, and listed them on NASDAQ National Market (see Exhibit-1). One of the companies, Flow International (NASDAQ: FLOW), was the 3rd best performing IPO for 1983, according to the Barron's.

Developed Better Industrial Tools and Created 3 New Industries. Over the past 30 years, Dr. Pao formed six technology-based companies in the U.S. (see Exhibit-1), served as their CEOs, and led the efforts that developed and commercialized four new technologies into better industrial tools. And, in the process, created three new industries – *waterjet machining industry*; *trenchless industry*; and *waterjet surface treatment industry*:

1. **Waterjet Technology** – developed the ultrahigh-pressure waterjets and abrasive-waterjets into better tools for industrial cutting, drilling, and milling, especially for the flexible factory automation. And, created the new waterjet machining industry and waterjet surface treatment industry (see www.floatingwindfarms.com for a Waterjet video, which was broadcasted nationwide by the FOX Cable News Channel in its Champions of Industry Program, on July 20, 2001)
2. **Horizontal Directional Drilling Technology** – developed the guided, high-pressure, rotating mud-jets into a better tool for horizontal directional drilling in soft soils, especially for the trenchless installation of underground cables and pipes at low costs and with minimal surface disruption. It ushered in the modern trenchless industry (see www.floatingwindfarms.com for an illustrative video on the horizontal directional drilling, using guided rotating waterjets)
3. **Vertical Axis Wind Turbine Technology** – developed and commercialized, jointly with Sandia National Lab, the vertical axis wind turbines as low-cost, durable tools for converting wind over land to 'green' electricity.
4. **Advanced Wet-Blasting Technology** – developed the advanced wet-blasting into an effective tool for removing rust and old coating from steel surfaces to bare metal, without airborne dust or hot sparks – replacing the hazardous grid blasting.

A Windpower Pioneer. Dr. Pao was an early pioneer in developing large wind turbines. He is the founder of FloWind Corporation in California, and served as its CEO from 1981 to 1986. He led the efforts at FloWind that developed the 100 kW and 300 kW vertical axis wind turbines (VAWTs), jointly with the Sandia National Lab. The 300 kW VAWT was the largest and most cost-effective wind turbine at that time. For their contributions, FloWind and Sandia jointly received the top national award for energy innovation for 1984, from the U. S. Dept of Energy.

He was also an early pioneer in developing large-scale windfarms in California. He led the efforts at FloWind that designed, manufactured, installed, and operated 500 of these VAWTs over 7,000 acres of high-wind properties in two windfarms in California – one in the Altamont Pass near San Francisco and one in the Tehachapi Pass near Los Angeles, for a total power output of 170 MW (including those from Danish wind turbines). By the end of 1985, FloWind became the 2nd largest windpower company in the world. These low-cost VAWTs operated cost-effectively in California for over 20 years. (See www.floatingwindfarms.com for a FloWind video)

Floating Windfarms at Sea. Dr. Pao has come out of retirement to lead the efforts at Floating Windfarms LLC – to develop the Floating Windfarm into a *cost-effective* and *user-friendly* tool for converting the rich wind energy resources at sea into 'green' electricity at low costs, to be much lower than the costs of coal electricity. Such that, Combined with the development of cost-effective energy storage facilities, wind at sea can replace fossil fuels as the principal source of energy for electricity generation; and the low-cost 'green' electricity from wind at sea can replace gasoline as the principal source of energy for the plug-in hybrid vehicles. Cost-effective floating windfarms at sea and energy storage facilities, when fully developed and implemented, will enable electricity from wind at sea to replace fossil fuels as the world's principal source of energy, and great reduce the global energy, air pollution, and climate change problems!

Keynote Speaker

Exhibit-1. Dr Pao has formed six technology-based companies in the US; served as their CEOs; taken three of them public; and listed them on NASDAQ National Market. Flow International went public in 1983, and was the 3rd best performing IPO for that year, according to the Barron's

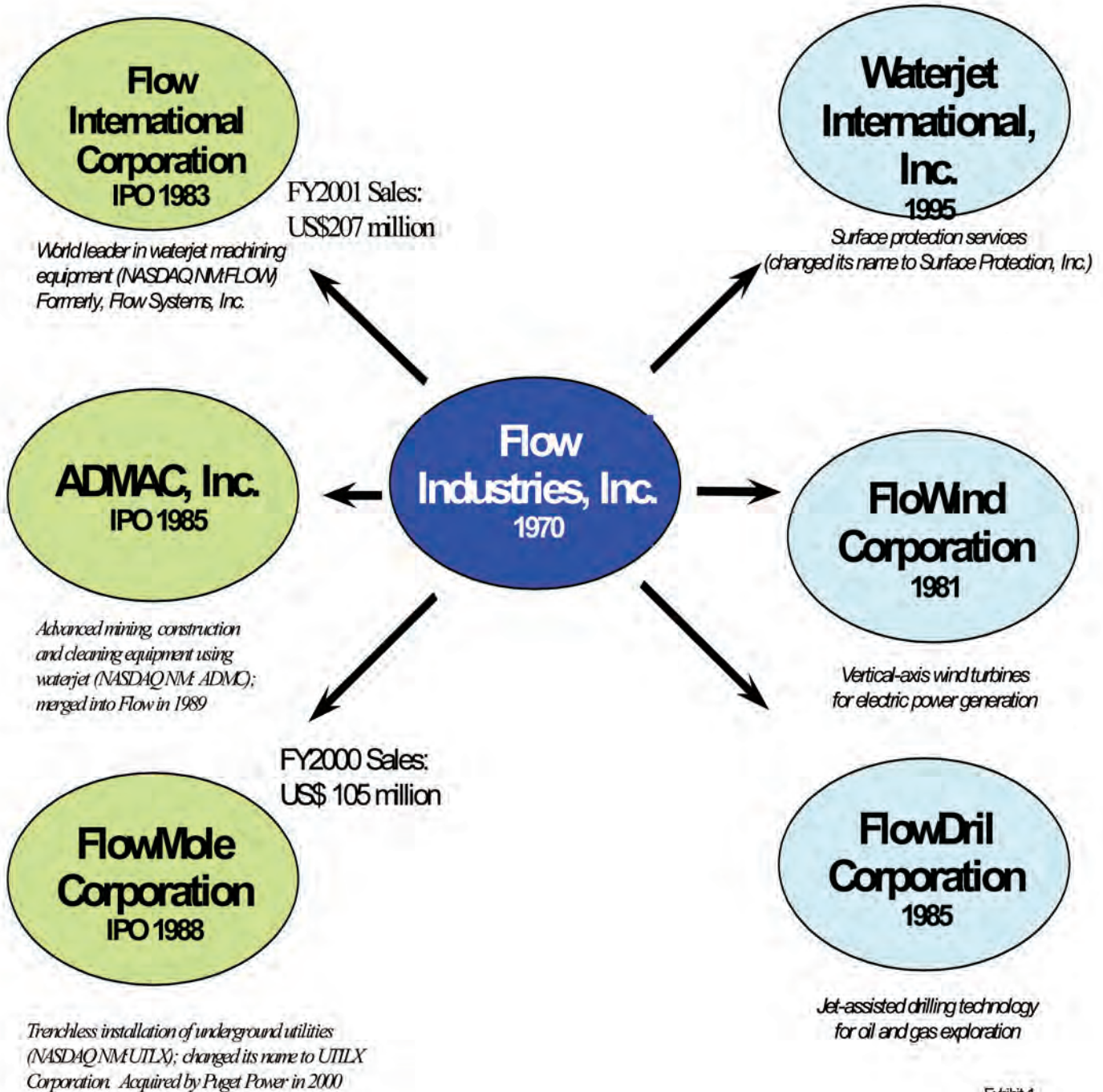


Exhibit 1

Keynote Address

Converting Wind at Sea to Low-Cost 'Green' Electricity with Cost-Effective Floating Windfarms

以海風電代煤，以海風電代油：
發展經濟實的 浮海風電場
把海風變成便宜的綠電

A Keynote Address at the
2007 Science Engineering and Technology Seminars
Association of Chinese American Professionals
Marriott Hotel, Sugar Land, TX
May 26, 2007

by
Yih-Ho Michael Pao, Dr. Eng.
Member, National Academy of Engineering USA
Chairman, Floating Windfarms LLC

Abstract

Dr. Pao has developed a new design to significantly reduce the cost of converting wind at sea to 'green' electricity – by mounting the low-cost vertical axis wind turbines (developed and commercialized by Dr. Pao's windpowee company in the 1980s) on submerged floating platforms, anchored to the sea floor (Floating-VAWTs™), such that these low-cost wind turbines can be placed in strong wind regions at sea (usually in deeper waters) to generate more electricity per wind turbine. This will significantly reduce the cost of electricity per kWh from wind at sea (the "Cost"); as the wind is free, and the principal cost of wind-generated electricity is from the installed cost of wind turbines. To stabilize the floating-VAWT™ in a windy sea, its heavy components, such as the gear-box and generator, will be placed in a container way below the sea surface (see Fig 1 for a conceptual picture).

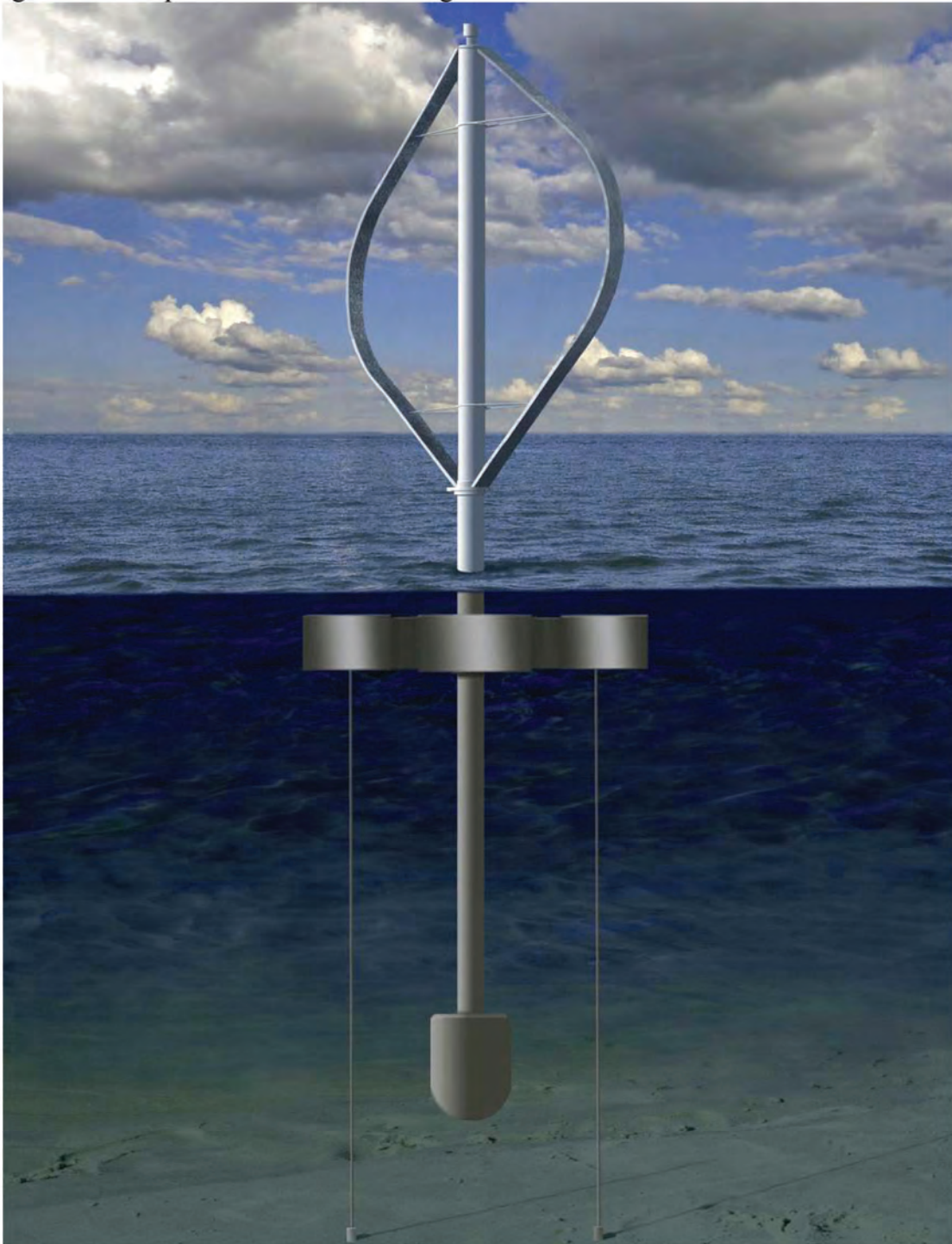
To demonstrate the technical feasibility and economical viability of this new design for floating windfarms, Floating Windfarms LLC has signed a Letter of Intent with China's Hainan Provincial Government and the Hainan University to develop the world's first floating windfarm in the windy South China Sea, using 40 units of the Floating-VAWTs™ (the "Demo Project").

It is projected that, after the successful completion of the Demo Project, the new design will enable the Cost to be further reduced to a level much below the cost of coal electricity, by: (1) mass producing the Floating-VAWTs™ in China; and (2) building a large number of GW-scale floating windfarms in strong wind regions at sea. Technology developments can further reduce the Cost.

Combined with the development of cost-effective energy storage facilities, the low-cost 'green' electricity from wind at sea can replace fossil fuels as the principal source of energy for many countries around the world that have rich wind energy resources at sea! This, when fully implemented, will greatly reduce the global energy, air pollution, and climate change problems. And, will make the world a cleaner, safer, and better place to live!

Keynote Address

Fig 1. A Conceptual Picture of a Floating-VAWT



Outstanding Service Award



譚秋晴 女士

Alice Chen

譚秋晴奉獻僑社二十餘年不遺餘力。她是新澤西州立大學的企管碩士（MBA），美國公認註冊會計師。她並有相當長期間在房地產、銀行、保險界的資歷。如今她更是大都會投資理財公司的分行經理及財務規劃師，有相當好的業績。

譚秋晴熱情、真誠，忠厚善良，工作能力強，服務態度認真。除了在工作上努力精進外，她也花了相當多的時間在社區的奉獻上，平常你有任何事情有求於她，只要她能力所及，絕對有求必應，絕不推諉，應付。譚秋晴無論在大型晚會、餐會、演講會，她總是最光鮮亮麗的一位，聚集最多閃光燈的焦點。她的口才，她流利的英語，她詼諧又平易近人的主持風格，無論大小會議，她總是最出色，予人留下最深印象的一位。

譚秋晴是現任亞洲商會（Asian Chamber of Commerce）董事會主席（Chairman of the Board），國會議員格林（AL Green）亞裔社區助理，休士頓公共電視台（PBS）董事，美南華語電台「譚秋晴時間」節目策劃及主持人。她曾獲僑委會海外優秀青年獎章，曾擔任聯合公益基金亞裔社區募款會副主席，美南國建會會員，並曾參與國建會晚宴的策劃和主持人，休士頓台灣商會會員……她奉獻了相當多的心血和心力在社團的發展上。她也利用業餘時間，不放過每一個可增益她學力、能力的課程。她曾擔任美國會計師協會講師，美國百萬圓桌協會（MDRT）會員，德州婦女領袖培訓班會員（一九九八），休士頓社區領袖培訓班會員（二〇〇二），休士頓華裔會計師協會會員，大都會投資理財公司演講協會……等等，她都曾鑽研其中，並從中獲得甚多的幫助。「終身義工」是她希望實現的偉大願望。

譚秋晴曾是美南電台周六的節目主持人之一，她花下極大的心力，盡心將她的「譚秋晴時間」節目做的盡善盡美。她有最敏銳的新聞嗅覺，能夠及時把握住「現場專訪」的最佳時機，不論休士頓來了什麼台灣的政要，或是發生颶風、救災，她總有辦法跑到第一線，抓住最即時，迅速的新聞，立即在電台播出。因此，「譚秋晴時間」經常是美南電台收聽率最高，Call In 電話線全滿的節目。她這種專注、敬業，凡事力求盡善盡美的「企圖心」也表現在她人生的每一階段。

Bio of 2007 Scholarship Recipients

William Yaohua Chu 沈時平

is a junior from Beaumont, Texas attending West Brook High School. His honors and activities include the National Honors Society, President's Education Awards Program, Jefferson Award for Public Service, The Salvation Army Boys and Girls Club, West Brook High School Tennis Team and Basketball Team, West Brook High School Key Club. He has also started community service programs such as the Southeast Texas Family Resource Center to tutor elementary school students and Nutrition and Services for Seniors to deliver meals to home bound seniors.

Andrew Shen 朱耀華

is a senior from Bellaire, Texas attending Bellaire High School. His honors and activities include the National Honor Society, Chinese Honor Society, National Merit Finalist, Belliare International Student Association, Children's Museum of Houston, National AP Scholar with Distinction, National Merit BP Foundation, Inc. Scholarship, Phi Lambda U.S. All-Around Senior Award, First Place District Science Fair three consecutive years, HP Houston Marathon Finisher, Bellaire Debate Squad, University of Texas Health Science Center award for Outstanding Science Project in Health and Medicine.

Justin Tam 譚智瀚

is a senior from Houston, Texas attending Cypress Creek High School. His honors and activities include the President's Volunteer Service Award, Hugh O'Brian Youth Leadership Certificate of Recognition, AP Scholar with Honor, National Merit Scholar Commemoration, Medal of Excellence in Orchestra Solo Competition, Cypress-Fairbanks Independent School District Outstanding Achievement Award. He is also the coordinator of the Northwest Houston Symphony Orchestra, is the president of both the Cy-Creek Asia Club and the Science Olympiad.

Xin Zeng 曾昕

is a senior from Plano, Texas attending Plano East Senior High School. Her honors and activities include the National Honors Society, Key Club International, Learning About Science and Engineering Research (LASER CLUB), Habitat for Humanity, First Priority (school's Christian/ Bible Study club), AP Scholar, Terry Scholar (University of Texas at Dallas), Southern Methodist University Distinguished Scholar, The National Society of High School Scholars, Honorable Mention in Intel District Science Fair, awarded with the Academic Honors Scholarship (University of Texas at Dallas).

二零零七年科學工程技術研討會暨年會
2007 Science Engineering and Technology Seminars (SETS)

ACKNOWLEDGEMENT

美南國建協進會

感謝下列社團共同策劃

華人電腦協會
世界華人工商婦女企管協會美南分會
休市華美會計師協會
休士頓華人專業協會

感謝下列單位的贊助與協助

僑務委員會
駐休士頓台北經濟文化辦事處
休士頓華僑文教服務中心
李長榮化學(美國)公司 LCY ELASTOMERS LP
中國石油公司 OPICOIL HOUSTON, INC
K & P TRADING L.L.C.

會長 黃壽萱

會議主席 林國強

二零零七年科學工程技術研討會暨年會
2007 Science Engineering and Technology Seminars (SETS)

2006 –2007 ACAP OFFICERS AND STAFF

President	Stephen	Huang	黃壽萱
President-Elect	Frank	Lin	林國強
Vice President	Chi-Chung	Chang	張濟群
Board Secretary	Paul	Cheng	程俊三
Executive Secretary	Betty	Tung	閻寶印
Treasurer	Sheree	Cheng	周 圓
Activity Committee	Betty	Tung	閻寶印
Media Coordinator	Jennifer	Wen	趙全娣
Web Master	James	Chen	陳建中
Diversity Summit Coordinator	Cecil	Fong	方宏泰
Diversity Summit Secretary	Judy	Wen	文 芊
Accountant	Peng Yu	Cheng	鄭鵬宇

2007 SETS Conference Committee

General Chair	Stephen	Huang	黃壽萱
Conference Chair	Frank	Lin	林國強
Conference Coordinator	Betty	Tung	閻寶印
Award Committee Chair	Michael	Liu	劉志恆
Nomination Committee Chair	Simon	Tung	董元慶
Scholarship Committee Chair	Daniel	Chen	陳皇序
Technical Committee Chair	Howard	Paul	浦浩德
Conference Program Editor	Louis	Leung	梁思豪
Conference Secretary	Paul	Liou	劉志中
Photograph	Jenny	Yang	陳津源

2007 SETS Conference Session Chairs

CPA Session	Susan	Chen	辜淑芬
Energy Technology Session	Chi-Chung	Wu	張濟群
Environmental Technology Session	Edward	Chen	陳天生
Healthy Living Session	Michelle	Wu	陳美雪
Information Technology Session	Jessie	Wang	汪乃強
Medical Session	Karl	Chen	陳康元
Nano Technology Session Chair	Su-Seng	Pang	彭樹成
	Howard	Paul	浦浩德
Retirement & Estate Planning Session	Sheree	Lee	唐心琴

二零零七年科學工程技術研討會暨年會
2007 Science Engineering and Technology Seminars (SETS)

2006 – 2007 ACAP BOARD OF DIRECTORS

Chi-Chung Chang	張濟群	Wei-Kan Chu	朱唯幹	Robert Ling	林友松
Karl Chen	陳康元	Cecil Fong	方宏泰	Paul Liou	劉志中
Paul Cheng	程俊三	Stephen Huang	黃壽萱	Douglas Loh	陸國先
Nai-Hui Chiu	趙乃慧	Lu-Yu Hwang	黃綠玉	Su-Seng Pang	彭樹成
Lynn Chou	周玲瑩	Frank Lin	林國強	Howard Paul	浦浩德

2006 – 2007 ACAP ADVISORS

Benjamin Chang	常台安	Sam Hwong	黃泰生	Kenneth Liao	廖港民
Theresa Chang	張文華	Michael Liu	劉志恆	Michael Ger	葛葆萱
Agnes Cheng	鄭振興	Howard Paul	浦浩德	Tina Yang	楊樂靜
Edward Chen	陳天生	Tom Tsai	蔡忠和	Wei-Te Lin	林渭德
Bill Chien	錢懋曾	Kwei Tu	杜奎	C. Y. Ling	凌家裕
Chen-Hwa Chiu	邱震華	Simon Tung	董元慶	Jason Lai	賴澄民
Hsi Frank Chou	周禧	Jenny Yang	陳津源	Kuan-Hua Lee	李光華
Ben Ho	何明通	Robert Yuan	袁立人	Shu-Rong Yen	閻樹榮

2007 SETS COLLABORATING ORGANIZATIONS & PRESIDENTS

世界華人工商婦女企管協會美南分會	Shelley	Ding	劉秀美
休市華美會計師協會	Susan	Chen	辜淑芬
華人電腦協會	Jessie	Wang	汪乃強
休士頓華人專業協會	Sheree	Lee	唐心琴



Certificate of Congressional Recognition
to the
2007 Diversity Summit

WHEREAS, the communities of the Twenty-Second District of Texas are truly fortunate to include a rich diversity of cultures, ethnicities, and religious faiths; and

WHEREAS, the synergistic blending of the ideas and experiences of these unique groups enriches life within the community while promoting effective cross-cultural cooperation and problem-solving; and

WHEREAS, the 2007 ACAP Diversity Summit promises to encourage the active participation of and collaboration between these many distinctive groups, particularly through the exchange of best practices for promoting inclusiveness within the corporate sector;

THEREFORE, BE IT RESOLVED that, on behalf of the constituents of the Twenty-Second Congressional District of Texas, I am proud to recognize the 2007 Diversity Summit, whose dedication to strength and growth through embracing all forms of diversity is indeed deserving of the recognition of the United States Congress.

May 4th, 2007

A handwritten signature in black ink that reads "Nick Lampson".

Nick Lampson
Member of Congress

Proclamation



OFFICE OF THE MAYOR
SUGAR LAND, TEXAS

One World. One Workforce. Diversity Summit

Whereas, diversity is defined as recognizing, appreciating, valuing, and utilizing the unique talents and contributions of all individuals; and

Whereas, the Diversity Summit began in 2001 to bring organizations and individuals together to discuss and learn about diversity and the impact on the workplace; and

Whereas, today, the Diversity Summit meets in Sugar Land to share ideas and practices to help people reach their full potential and discuss challenges and solutions in the increasingly diverse global arena;

Now, Therefore, I, David Wallace, on behalf of the members of City Council, and by the virtue of the authority vested in me as Mayor of the City of Sugar Land, Texas, do hereby commend the Diversity Summit for taking a leading role in the development of businesses and professionals in the community and extend best wishes for a successful event.



*In witness whereof I have hereunto set
my hand and caused this seal to be affixed.*

David G. Wallace, Mayor

Attest:

Glenda Gundermann, City Secretary

Date: May 4, 2007

Office of the Mayor

Stafford, Texas

Proclamation



DIVERSITY SUMMIT AND SETS CELEBRATION

WHEREAS, Stafford has prided itself on being a leader in the community for the fostering and promotion of diversity among its citizens; and

WHEREAS, there is widespread racial, cultural and religious diversity throughout the community which continues to expand and flourish; and

WHEREAS, the Diversity Summit and Science Engineering Technology Seminar will bring many peoples of varying races, cultures and creeds together to provide a forum for learning, networking and bonding among these many diverse individuals and groups.

NOW, THEREFORE, I, LEONARD SCARCELLA, MAYOR OF THE CITY OF STAFFORD, TEXAS, do hereby recognize and applaud the Diversity Summit and the Science Engineering Technology Seminar to be held in the community on Friday, May 4, 2007, and encourage all citizens to support, join and participate in this auspicious gathering and function.



In witness whereof I have hereunto set my hand and caused this seal to be affixed

ATTEST: *Bonnie R. Rountree*

DATE: *May 4, 2007*



13 Locations in Houston & Dallas

Bellaire
9600 Bellaire Blvd., Suite 101 • Houston, Texas 77036

Boone
11205 Bellaire Blvd., Suite B-9 • Houston, Texas 77072

Dulles
4639 Highway 6 • Sugar Land, Texas 77478

East
6730 Capitol • Houston, Texas 77011

Harwin
10000 Harwin Dr. • Houston, Texas 77036

Long Point
1460 Blalock at Longpoint • Houston, Texas 77055

Clear Lake
2424 Bay Area Blvd. • Houston, Texas 77058

Milam
2808 Milam, Suite A • Houston, Texas 77006

Sugar Land
15144 Southwest Freeway • Sugar Land, Texas 77478

Veterans Memorial
13480 Veterans Memorial Dr. • Houston, Texas 77014

Plano
3911 W. Park Blvd., Suite 601 • Plano, Texas 75075

Richardson
275 West Campbell Rd., Suite 111 • Richardson, Texas 75080

Harry Hines
2527 Royal Ln., Suite 155 • Dallas, Texas 75229

- Personal Banking**
- Commercial Banking**
- Online Banking**
- Wire Transfer**
- Letter of Credit**
- Commercial Lending**
- SBA Lending**
- Mortgage Lending**

 **METROBANKTM, N.A.** 
www.metrobank-na.com
Going Beyond Excellence

9600 Bellaire Blvd., Suite 252 • Houston, TX 77036

1-888-414-3556

For more information regarding our financial services and programs, please visit our website at www.metrobank-na.com

NASDAQ
MCBI
Texas & California


©2007 MetroBank, N.A. www.metrobank-na.com ©2007 Art Studio. www.art-studio.com

Chen, Shen & Co. P.C. CPAS

14905 SW Freeway, Suite 232, Sugar Land, Texas 77478

Phone: 281-207-5204, E-mail: cscpa4u@yahoo.com



A Fort Bend based Certified Public Accounting firm founded by *Susan Chen, CPA* and *Caroline Shen, CPA*. The firm provides a variety of services which include incorporations, accounting, tax, and auditing for both individuals and businesses. Our goal is to establish a long-term relationship with our clients by providing professional and personalized service.

Members of the American Institute of Certified Public Accountants (AICPA), the Texas Society of Certified Public Accountants, and the Houston Chapter of the Society of Certified Public Accountants.

TTL Corp

Civil Engineering, GIS

P.O. Box 1537, Cypress, TX 77410-1537

713-501-6993 (tel), 281-213-9535 (fax)

info@ttlcorp.com www.ttlcorp.com

- Site Development
- Drainage and Flood Study
- Stormwater Management
- Infrastructure Planning and Design
- Regulatory Permitting
- Geographic Information System

We Welcome High-Tech Elite



The Hsinchu Science Park has been reckoned as a global hi-tech innovation powerhouse and hometown for renowned hi-tech enterprises, e.g. TSMC, UMC, AUO, MEDIATEK, etc., over decades of endeavor.

The high tech hot spot offers inhabitants and potential investors infrastructure and facility support, one-stop services, R&D surroundings, incentives and R&D grants, mass resources, and potential business opportunities.

We welcome high-tech elite like you to explore promising careers and to pioneer the world together.



Science Park Administration

2 Hsin Ann Road, Hsinchu, Taiwan 300
Tel: 886-3-5773311 Fax: 886-3-5776222
<http://www.sipa.gov.tw>



中鋼公司

主要產品 MAIN PRODUCTS

- | | | |
|----------------------------------|-----------------------------------|-----------|
| ■ 鋼板 PLATES | ■ 條鋼 BARS | ■ 線材 RODS |
| ■ 熱軋鋼品 HOT ROLLED COILS & SHEETS | ■ 冷軋鋼品 COLD ROLLED COILS & SHEETS | |
| ■ 電磁鋼片 ELECTRIC SHEETS | ■ 電鍍鋅鋼片 ELECTRO-GALVANIZED SHEETS | |

總公司：高雄市小港區 812 中鋼路一號 / 1 CHUNG KANG ROAD, HSIAO KANG DISTRICT KAOHSIUNG 812
TEL: 886-7-802-1111 FAX: 886-7-802-2511 <http://www.csc.com.tw> Email: gs300@mail.csc.com.tw

2007 科學工程技術研討會



L.C.Y.C.I.C. LCY Elastomers LP



OPICOIL
Houston, Texas

華人電腦協會

休士頓
華人專業協會

休市華美
會計師協會



休士頓華僑文教服務中心



世界華人工商婦女
企管協會美南分會



中華民國(台灣)僑務委員會
OVERSEAS COMPATRIOT AFFAIRS COMMISSION, R.O.C. (Taiwan)