美南國建協進會

The Association of Chinese American Professionals

二零二六年科學工程技術研討會

2026

Annual Conference of Science, Engineering and Technology Seminars (SETS)

大會議程
Program

THEME:

Environmental Protection, Accounting, Popular Science, Nano Technology, Information Technology & AI, Health, Business Management, Young Professionals Networking

會議主題:

環境保護、會計、科普
奈米科技、資訊科技 & 人工智慧、健康
商務、青年年專業人士交流講座

Saturday, June 6, 2026

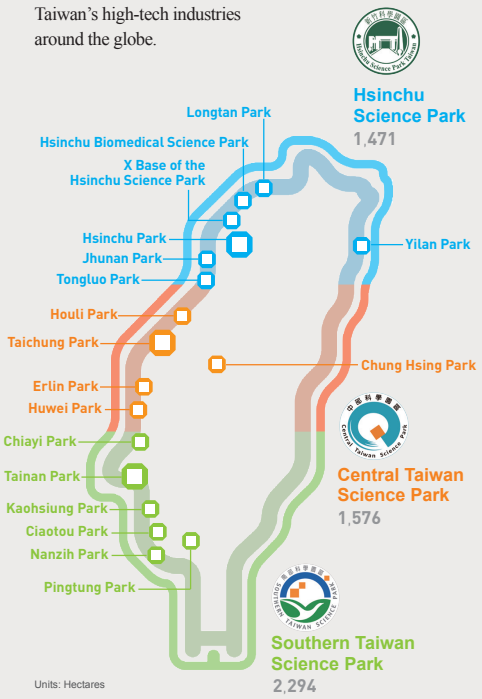
Sugar Land Marriott
16090 City Walk, Sugar Land, Texas

www.acap-usa.org ACAP

Taiwan: Shaping the AI Future

Developing Science Parks

Taiwan currently has three core science parks located in the northern, central, and southern areas. These parks form lifestyle-oriented communities that integrate R&D, production, working, living and recreational facilities, and each park focuses on different but complementary S&T sectors. Their success over the past four decades has not only brought economic prosperity, but also made a name for Taiwan's high-tech industries around the globe.



Our History

The National Science and Technology Council (NSTC) is Taiwan's leading cross-government agency dedicated to advancing scientific and technological development. Originally established as the National Science Council (NSC) under the Executive Yuan on February 1, 1959, it was transformed into the Ministry of Science and Technology (MOST) on March 3, 2014, with a mission to foster innovation, support startups, and strengthen collaboration between academia and industry. On July 27, 2022, MOST was restructured into the NSTC to drive a more forward-thinking science and technology strategy and capitalize on emerging global opportunities.

Our Mission

The NSTC is charged with tasks of planning the nation's frontier S&T, promoting the development of S&T, applying basic research to industrial applications, and coordinating the allocation of resources across agencies and fields. As an engine of S&T innovation, the NSTC has carried out four missions:

1. Formulating Science and Technology Policies
2. Supporting Fundamental & Strategic Research
3. Promoting Innovation and Entrepreneurship
4. Developing Science Parks

Formulating Science and Technology Policies

Taiwan's 2030 vision of "Innovation, Inclusion, and Sustainability" aims to develop people-centric S&T, meet the diverse needs of different age and ethnic groups, and build a sustainable society that features economic growth, ecological protection, and regional balance.

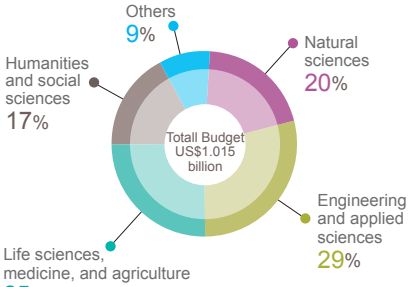
Major S&T Areas

- Semiconductors and Quantum Technology
- Artificial Intelligence (AI)
- Space Technology and 6G
- Cyber Security
- Precision Health
- Net Zero Technology
- Defense Technology
- Humanities and Social Issues

Major Projects

- Chip Team Taiwan Initiative
- Greater Southern New Silicon Valley Promotion Plan
- Taiwan AI Action Plan 2.0

Research Grant Allocation by Fields, 2024



Note: The 2025 exchange rate was NT$32.73 to US$1

Supporting Fundamental & Strategic Research

To advance scientific and technological development, the NSTC funds academic research through grants to educational and research institutions. To maximize the efficiency of scientific resources, the NSTC also enhances the S&T service ecosystem by establishing national-level experimental facilities, integrating shared resources, and expanding access to core facility platforms.

Promoting Innovation and Entrepreneurship

As an upstream driver of the technological innovation ecosystem, the NSTC encourages universities and research institutions to pursue research with entrepreneurial potential and accelerate the transformation of their findings into startups. After receiving initial support from the NSTC, these startups gain further assistance from Taiwan Tech Arena (TTA) and TTA South, which help them connect with international markets and funding opportunities.

Foundations and Administrative Corporations

- National Institutes of Applied Research (NIAR)
- National Synchrotron Radiation Research Center (NSRRC)
- National Science and Technology Center for Disaster Reduction (NCDR)
- Taiwan Space Agency (TASA)

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A Welcome Message from ACAP President

Welcome to the 48th Annual Science, Engineering, and Technology Seminars (SETS, 科學工程技術研討會), proudly organized by the Association of Chinese American Professionals (ACAP, 美南國建會) in collaboration with the conference organizing committees. Each year, SETS brings together professionals, scholars, students, and innovators who share a commitment to advancing knowledge, strengthening our community, and inspiring the next generation of leaders in science and technology.

This year's gathering carries special meaning for all of us. In 2026, we mourned the passing of Dr. Frank K. Lin (林國強), ACAP's President (2008 to 2009) and a visionary whose leadership helped shape the organization we know today. Frank guided ACAP through a period of modernization and growth, championed community outreach, and strengthened our digital infrastructure long before such efforts became commonplace. His dedication, generosity, and belief in empowering young professionals continue to influence ACAP's mission and values. As we convene for SETS this year, we honor Frank's legacy—not with silence, but with purpose. His spirit lives on in every mentorship connection we build, every student we encourage, and every innovation we celebrate.

SETS would not be possible without the support of the Taipei Economic & Cultural Office (駐休士頓台北經濟文化辦事處), under the leadership of Director Yvonne Hsiao (蕭伊芳), the National Science and Technology Council (國家科學及技術委員會), and the Science and Technology Division, led by Director Pin-Chuan Chen (陳品銓). We also extend our heartfelt gratitude to our sponsors, partner organizations, and communities for their generous contributions.

We extend our heartfelt gratitude to Paul Liou (劉志忠), ACAP President-Elect and Yen Ting Chen (陳妍婷), ACAP Vice President for exceptional leadership. We also commend Cecil Fong (方宏泰) and empower summit committee for extraordinary efforts in organizing the Empower Summit, which successfully gathered participants to explore the theme "Embracing Changes & Building Futures Together." Our sincere thanks go to ACAP's Officers, including Daniel Chen (陳皇序), Minnie Tsai Nelson (蔡米惠), Stephen Huang (黃壽萱), and Betty Tung (閻寶印), and whose invaluable guidance has been instrumental in shaping ACAP's vision and trajectory.

I extend my deepest appreciation to our speakers, volunteers, sponsors, and partners whose contributions make SETS possible. Your support ensures that ACAP remains a platform where ideas flourish, collaboration thrives, and our community continues to grow stronger.

Thank you for joining us. I wish you an inspiring, engaging, and meaningful SETS 2026.

Warm regards,

Ya-Ling (Ambrosia) Chuang (莊雅玲), CPA
ACAP President 2025-2026

二零二六年科學工程技術研討會
2026 Science, Engineering and Technology Seminars (SETS)

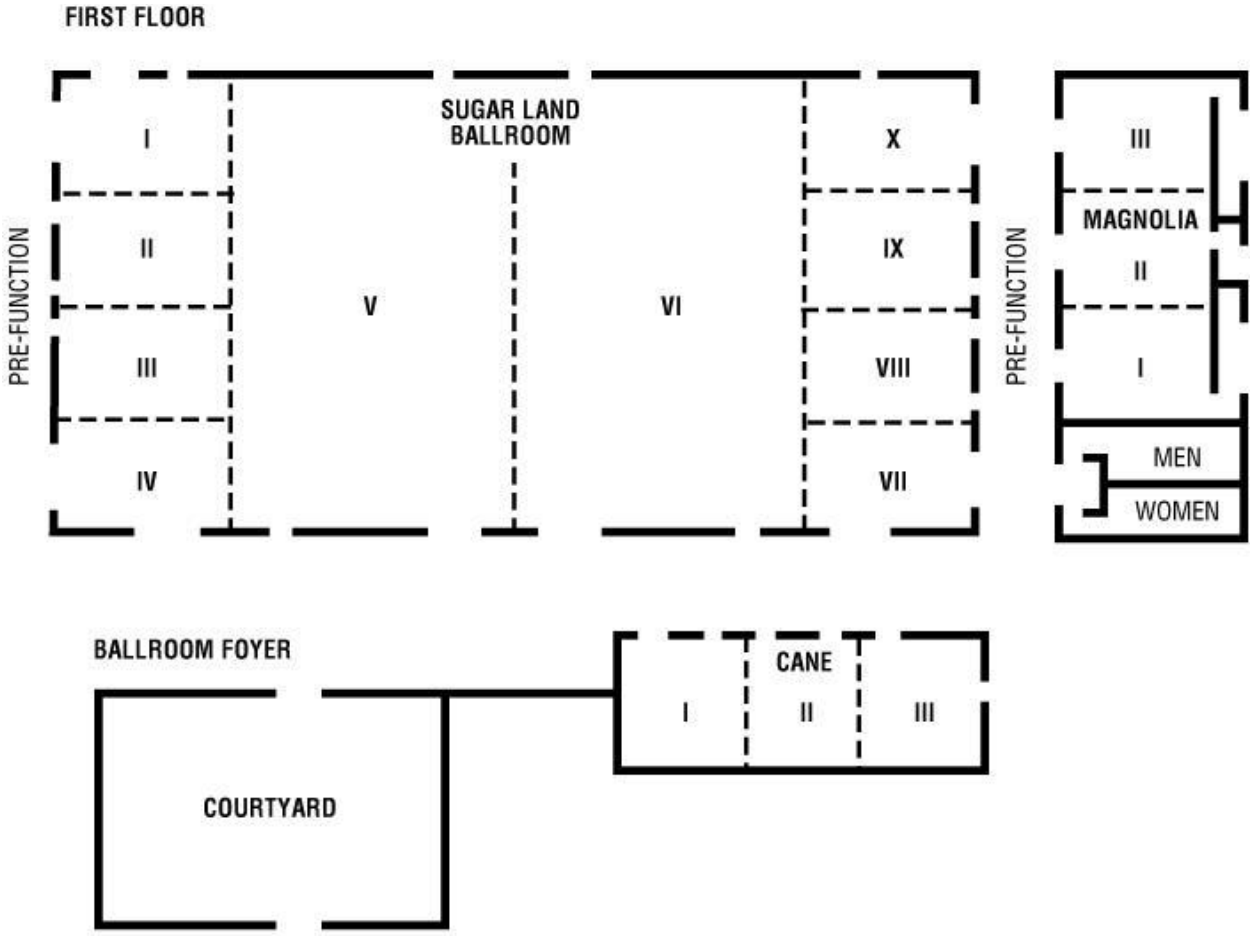
Program-at-a-Glance

Time	Program	Room
7:30 am – 9:00 am	Speakers and Chairs Breakfast	Cane I
7:30 am – 2:30 pm	Registration	Ballroom Foyer
Morning Concurrent Sessions		
8:00 am – 11:45 am	Environmental Protection Session (環境保護講座)	Ballroom IX
9:00 am – 11:50 am	Accounting Session (會計師講座) 休斯頓華人會計師協會協辦	Ballroom III-IV
9:00 am – 11:50 am	Popular Science Session (科普講座) 海外青年文化大使協辦,經文處科技組協辦	Ballroom VII-VIII
8:30 am – 11:50 am	Nano Technology Session (奈米科技講座)	Ballroom X
Lunch Session		
12:00 pm – 2:15 pm	Luncheon and Keynote Address (午宴及專題演講)	Ballroom V-VI
Afternoon Concurrent Sessions		
2:30 pm – 5:30 pm	Information Technology & Artificial Intelligence Session (資訊科技 & 人工智慧講座) 休士頓華商經貿聯合會協辦	Ballroom VII-VIII
2:30 pm – 5:30 pm	Business Management Session (商業管理和AI運用講座) 世界華人工商婦女企管協會美南分會協辦	Ballroom III-IV
2:30 pm – 5:30 pm	Health Session (健康講座)	Ballroom IX
2:30 pm – 5:30 pm	Young Professionals Networking Session (青年專業人士交流講座) 美南大專院校聯合校友會協辦	Ballroom X

二零二六年科學工程技術研討會

2026 Science, Engineering and Technology Seminars (SETS)

Sugar Land Marriott Floor Plan



Session Schedule

Time	Session	Room
8:00 am – 11:45 am	***Environmental Protection Session*** **(環境保護講座)**	**Ballroom IX**
Chair	**Edward T. Chen (陳天生),** President, Chinese American Society of Environmental Protection & Safety, Houston, Texas	
Speaker	**Vance Nobe,** President & CEO, Akari Energy, Houston, Texas	
Topic	**Solar Power Meeting the Needs of Datacenters**	
Speaker	**Yuan-liang Tai,** PhD, Senior Researcher and Technical Manager, Water Technology Research Division, ITRI, Taiwan	
Topic	**Challenges and Solutions for Water and Wastewater Treatment, Reclamation, and Smart Operation in the New High-Tech and Microelectronics Era**	
Speakers	**Jonathan Greene**, PE, CPD Consultants, Houston, Texas **Chi-Chung Chang (張濟群博士),** PhD, Principal, CPD Consultants; Adjunct Faculty, University of Houston, Houston, Texas	
Topic	**What We Need to Know About MAAPnext - An Update of FEMA Flood Risk Management Tool**	
Speaker	**Doug Coenen,** PE, ENV SP, Walter P. Moore Engineering, Houston, Texas	
Topic	**The Pavement Life Cycle and Good Owner Approaches**	
Speaker	**Clifford C. Lee (黎靖宇博士),** PhD, Lee Plastics Consulting, Pearland, Texas	
Topic	**Polyolefin New Technologies, Market Dynamics, Upcycling and Deconstruction**	
Speaker	**Michael Liu,** President, American P&G Corp, Houston, Texas	
Topic	**Using Starch in Environmental Recycle Business**	
9:00 am – 11:50 am	***Accounting Session*** **(會計師講座)** Houston Society of Chinese American CPAs (HSCACPAs) 休斯頓華人會計師協會協辦	**Ballroom III-IV**
Chair	**Carol Chen (陳叢)**, CPA, Southwestern Bank	
Speaker	**Isabelle Liu,** CPA, New York Life	
Topic	**Advising Clients on Long-Term Strategies**	
Speaker	**Nina Zheng,** CPA, Senior Tax Manager, Withum CPA Firm	
Topic	**International Tax Essentials**	
Speaker	**Eric Zhang,** CPA, Eric Zhang & Associates, LLP	
Topic	**Tax Planning for Family Businesses and Strategies for Asset Protection and Wealth Transfer under the New Tax Law**	

9:00 am – 11:50 am	***Popular Science Session* (科普講座)** (FASCA) 海外青年文化大使協辦 Science and Technology Division, TECO Cultural Office in Houston 經文處科技組協辦	**Ballroom VII-VIII**
Co-Chairs	**Pei-Ching Tai (戴珮青博士),** PhD, FASCA Advisor **Peggy Chiu (邱佩冠)**, FASCA Advisor	
Speaker ***Topic***	**Pin-Chuan (PC) Chen (陳品銓博士)**, PhD, Director, Science and Technology Division, Taipei Economic and Cultural Office in Houston **Science and Technology Promotion in Taiwan**	
Speaker ***Topic***	**Yi-Hsin Liu (劉沂欣博士),** PhD, Associate Professor, Department of Chemistry, National Taiwan Normal University (NTNU) **Quantum Phenomena and Chemical Development: Applications from Semiconductors to Biology (量子現象與化學發展：從半導體到生物學的應用)**	
Speaker ***Topic***	**Tung Shu (徐彤醫師),** MD, Vanguard Urologic Institute **Robotic Surgery and Its Advancement**	
Speaker ***Topic***	**Wei-Lei Yang (楊偉磊博士),** PhD, AIxMed, Inc., **Fighting Cancer with AI: How New Technology Helps Detect Cancer**	

8:30 am – 11:50 am	***Nano Technology Session*** **(納米科技講座)**	**Ballroom X**
Co-Chairs	**Howard Paul (浦浩德博士),** PhD, PE, Engineering Manager, SRI Global, Inc. **Cheng Yan (嚴成博士)**, PhD, Professor, Southern University and A&M College	
Speaker ***Topic***	**Howard Paul (浦浩德博士),** PhD, PE, SRI Global, Inc., Houston, Texas **New Nano Additives Commercially Produced for Engineering Plastics Upgrade (新納米添加劑商業生產,應用於工程塑料的升級)**	
Speaker ***Topic***	**Cheng Yan (嚴成博士),** PhD, Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana **Machine Learning as a Bridge from Molecular Structure to Shape Memory Behavior (機器學習：從分子結構到形狀記憶行為的橋樑)**	
Speaker ***Topic***	**Donald Mozea**, Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana **Modeling the Glass Transition Zone of Thermoset Polymers Using a Multiscale Machine Learning Framework (基於多尺度機器學習框架的熱固性聚合物玻璃化轉變區域建模研究)**	
Speaker	**Ransford Opoku-Afriyie,** Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana	

Topic	**A Graph Convolutional Framework for Predicting Glass Transition Temperature in Thermoset Shape - Memory Copolymers (基於圖卷積網絡的熱固性形狀記憶共聚物玻璃化轉變溫度預測方法)**	
Speaker	**Liheng Wu (吳立恆),** Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana	
Topic	**Machine Learning for Flame Retardant Polymer Material Design: A Comprehensive Review (機器學習在阻燃聚合物材料設計的應用: 綜述)**	
2:30 pm – 5:30 pm	***Information Technology & Artificial Intelligence Session*** **(資訊科技 & 人工智慧講座)** 休士頓華商經貿聯合會協辦	**Ballroom VII-VIII**
Chair	**Stephen Huang (黃壽萱教授),** PhD, Professor, University of Houston, Houston, Texas	
Speaker	**Rayleigh Chiang (江秉穎教授),** MD, MMS, Professor, School of Medicine, China Medical University, Taichung, Taiwan	
Topic	**Transforming Sleep Health into Measurable Healthcare Value with Scalable AI**	
Speaker	**Shang Chen (Alison) Wu (吳尚真醫師),** MD	
Topic	**The Longevity Roadmap: Using AI and Precision Medicine to Navigate your 120 - Year Journey (長壽藍圖: 利用 AI 與精準醫學, 導航您的 120歲人生)**	
Speaker	**Stephen Huang (黃壽萱教授),** PhD, Professor, University of Houston, Houston, Texas	
Topic	**Generative AI: Learning Patterns, Acquiring Knowledge, and Taking Action**	
2:30 pm – 5:30 pm	***Business Management Session*** **(商業管理和AI運用講座)** Global Federation of Chinese Business Women in Southern USA (GFCBW) 世界華人工商婦女企管協會美南分會協辦	**Ballroom III-IV**
Chair	**Lisa Sun (孫玉玟)**, President, GFCBW	
Speaker	**Grace Feng (馮春梅),** Founder, Global eSchool	
Topic	**AI Office Accelerator; Master AI Video Generation for Enhanced Productivity (AI辦公室加速器；掌握AI視頻生成, 全面提升工作效能)**	
Speaker	**Louis Lu (魯豫),** AI Marketing Specialist	
Topic	**The AI Marketing Revolution: Opportunities, Advantages, and Strategic Implementation (AI行銷革命: 掌握時代紅利、競爭優勢與實戰策略)**	

Speaker	**Lisa Sun (孫玉玟),** President, The Epoch Times and NTDTV Houston Branch	
Topic	**Media in the Age of AI: Safeguarding Truth Amidst Digital Transformation and Disruption (AI時代下的媒體轉型與衝擊: 當真相變得難以辨認, 誰來守護事實?)**	
Speaker	**Michael Tang (湯東洲博士),** PhD, Co-Founder, Grace Computer & Internet Corp	
Topic	**Unlocking Your Potential: Why PMP and Agile Certifications are the Keys to Career Advancement (啟動職涯潛能:解析PMP與敏捷認證為何是晉升與高薪的通行證)**	
2:30 pm – 5:30 pm	***Health Session* (健康講座)**	**Ballroom IX**
Chair	**Jean W. Lin (林琬真復健師),** PT, Wilcrest Physical Therapy Patient Education Division (杏林復健診所健康教育部門)	
Speaker	**David Lin (林隆一醫師),** MD	
Topic	**The Diagnosis and Treatment of Shoulder Arthritis and Rotator Cuff Injuries (肩關節關節炎和肩旋轉肌傷害診斷與治療)**	
Speaker	**Isabelle Hwan (黃翊綺復健師),** PT, DPT, CLT	
Topic	**Rehabilitation of Shoulder Disorders** (肩關節疾病的復健)	
Speaker	**Jean W. Lin (林琬真復健師),** PT	
Topic	**Sarcopenia (肌少症)**	
2:30 pm – 5:30 pm	***Young Professionals Networking Session*** **(青年專業人士交流講座)** Joint Chinese College Alumni Association of Southern USA (JCCAA) 美南大專院校聯合校友會協辦	**Ballroom X**
Chair	**Amy Ku (辜千慈博士),** PhD, Scientist, Baylor College of Medicine	
Speakers	**Jutien Hsieh (謝睿恬),** PE, MBA, VP – Engineering Operations, ECNS Global Consultants, LLC **Jerry Hsu (許亞傑),** Solutions Architect, AI Solutions, Delaware North America **Peter Lee,** Sr. Director and Healthcare Provider CTO, NTT DATA **Johnny Tsai (蔡嘉銘),** PE, Principal, AlphaECC Maxx LLC	
Topic	**Consulting: Decoded (職涯解密：從專家到顧問)**	
Speakers	**Steven Wang (王司文 博士),** PhD, Keller Williams Realty Metropolitan **Jutien Hsieh (謝睿恬),** PE, MBA, VP – Engineering Operations, ECNS Global Consultants, LLC	
Topic	**Mentorship: Reflection (導師計畫結業：從連結到傳承)**	

Honorable Guest

Yvonne Hsiao (蕭伊芳處長)

Director General, Taipei Economic and Cultural Office in Houston

駐休士頓台北經濟文化辦事處

Education

BA in Foreign Languages and Literature, National Taiwan University

Experience

- Deputy Director General, Department of International Cooperation and Economic Affairs, MOFA (2025.02- 2025.07)
- Deputy Director General, Department of International Organizations, MOFA (2020.08- 2025.02)
- Chief Secretary, Institute of Diplomacy and International Affairs, MOFA (2020.01- 2020.08)
- Deputy Counselor on Home Assignment, Department of International Organizations, MOFA (2019.07- 2019.12)
- Director/ Deputy Executive Director, Taipei Economic and Cultural Office in Australia (2013-2019)
- Section Chief, Division of Document Authentication, Bureau of Consular Affairs, MOFA (2010-2013)
- Second Secretary on Home Assignment, Department of East Asian and Pacific Affairs, MOFA (2009-2010)
- Secretary, Taipei Economic and Cultural Office in New York (2004-2009)
- Desk Officer, Ministry of Foreign Affairs, Republic of China (2000-2004)

Keynote Speaker

Jen-Yuan (James) Chang, PhD (張禎元博士)

Fellow of ASME, IET, RAeS, CSME, RST, STAM

Vice President, Industrial Technology Research Institute (ITRI)

General Director, ITRI Mechanical & Mechatronics Systems Research Labs

Chair Professor, National Tsing Hua University

(工業技術研究院機械與機電系統研究所所長)

Dr. Jen-Yuan (James) Chang is a Chair Professor in the Department of Power Mechanical Engineering at National Tsing Hua University and currently serves as Vice President of Industrial Technology Research Institute, where he is also General Director of the Mechanical and Mechatronics Systems Research Laboratories (MMSL). In these leadership roles, he oversees large-scale national R&D programs and directs a workforce of hundreds of engineers and researchers, advancing Taiwan's strategic capabilities in intelligent machinery, robotics, unmanned systems, and next-generation manufacturing. He plays a central role in shaping national technology policy, driving industry–academia collaboration, and accelerating the translation of advanced research into industrial deployment and global market impact. Dr. Chang received his B.S. in Mechanical Engineering from National Central University, Taiwan (1994), and his M.S. (1998) and Ph.D. (2001) in Mechanical Engineering from Carnegie Mellon University. He has held distinguished research positions, including serving as an ASEE/NRC Faculty Research Fellow at the U.S. Air Force Research Laboratory, where he conducted advanced research on vibration in integrated bladed rotor systems. He also contributed to cutting-edge magnetic storage technologies at IBM/HGST in Silicon Valley, bringing deep industry experience into his academic and institutional leadership. His research spans precision mechatronics, robotics, intelligent machinery, and advanced manufacturing, with notable contributions in high-precision magnetic encoder technologies, AI-assisted electromechanical system design, and rehabilitation robotics. His work has led to significant technology transfer and commercialization, including FDA-approved rehabilitation robotic systems and the establishment of Rehabotics Medical Technology Corporation in 2016. He has also been instrumental in advancing emerging domains such as AI-driven motor design, smart sensing technologies, and dual-use unmanned aerial vehicle (UAV) systems, strengthening Taiwan's position in global high-tech supply chains. A prominent figure in the international engineering community, Dr. Chang has held key leadership positions, including Division Chair of the Information Storage and Processing Systems Division of the American Society of Mechanical Engineers and Vice-Chair of the ASME Strategic Planning Committee. He currently serves as President of the Taiwan Society for Precision Engineering, further demonstrating his leadership in shaping the direction of the field. His contributions have been recognized by numerous prestigious honors, including the ASME-ISPS Distinguished Institution Award, the Outstanding Contribution Award, and Taiwan's National Science and Technology Council Outstanding Research Award (awarded twice), among many others. Dr. Chang has an extensive scholarly record, with over 110 SCI journal publications, more than 170 archival conference papers, and over 40 international patents. He is an elected Fellow of multiple leading professional societies, including ASME, the Royal Aeronautical Society, the Institution of Engineering and Technology, the Chinese Society for Mechanical Engineering, the Robotics Society of Taiwan, and the Society of Theoretical and Applied Mechanics. He is also a Senior Member of Institute of Electrical and Electronics Engineers and a Corresponding Member of the International Academy of Engineering. Through his integrated roles in academia, national research leadership, and global professional engagement, Professor Chang continues to drive innovation at the intersection of engineering science and industrial application, shaping the future of intelligent machinery and advanced manufacturing both in Taiwan and worldwide.

Abstracts and Session Speakers Information

8:00 a.m. – 11:45 a.m.	***Environmental Protection Session*** **(環境保護講座)**
Chair:	**Edward T. Chen (陳天生), President, Chinese American Society of Environmental Protection & Safety, Houston, Texas**

Speaker: Vance Nobe, President & CEO, Akari Energy, Houston, Texas
Topic: Solar Power Meeting the Needs of Datacenters

Abstract: The growth in datacenters throughout the United States has significantly increased the demand for power. In addition, the complicated electric load profile of datacenters can be a strain on local grids. Solar Power combined with Battery Energy Storage Systems can meet the high demands and challenging supply requirements. Solar power can rapidly deploy to meet this rising demand.

About the Speaker: Vance Nobe is President, CEO and Founder of Akari Energy (established in 2008 in Houston, Texas). His combination of management, sales, and technical expertise has driven Akari Energy's growth and profitability over the past 14 years. As CEO/President of Akari Energy, he has developed relationships with landowners in rural areas throughout the United States and cemented relationships with long-term clients such as Rice University and RMS Foods. Mr. Nobe is also board certified by the North American Board of Certified Energy Practitioners (NABCEP) as a solar PV Installation Professional.

Mr. Nobe is a published photographer for his pictures of the Totonac burial sites in central Mexico. These photos are now in two academic textbooks, which were the first ever published pictures of these tombs. Also, he was on an episode of Animal Planet: Animal Cops Houston, for his adoption of a canine in dire need.

He has a Bachelor of Science degree in Electrical Engineering, Power Emphasis, from the California Polytechnic University at Pomona in California. Prior to his engineering studies, he also attended UC Berkeley in Biophysics under the Accelerated High School Student Program. He also has a MIT Sloan Certificate in Blockchain Technology.

Speaker: Yuan-liang Tai, PhD, Senior Researcher and Technical Manager, Water Technology Research Division, ITRI, Taiwan
Topic: Challenges and Solutions for Water and Wastewater Treatment, Reclamation, and Smart Operation in the New High-Tech and Microelectronics Era

Abstract: The rapid expansion of high-tech and semiconductor industries has significantly increased the demand for ultra-pure water, advanced wastewater treatment, and sustainable water resource management. At the same time, global climate change resulting in extreme weather and rainfall conditions intensifies water stress in some highly industrialized countries, creating new operational challenges for industrial water systems. We will start with the strict water resource challenge Taiwan has faced in the past decade and its effort to combat water scarcity crisis. Then, we will explore the key challenges and solutions associated with water resource utilization, wastewater treatment, water and resource reclamation, and intelligent operation in the new high-

tech and microelectronics era. Taiwan's past practices and experiences in water resource management, wastewater treatment, water reclamation, and resource recovery for high-tech industries can provide valuable insights and references for the rapidly growing regions of data centers and microelectronics industries in the United States.

About the Speaker: Dr. Yuan-liang Tai obtained Ph.D. degree in Environmental Engineering at Pennsylvania State University. He is now a senior researcher and technical manager of Water Technology Research Division at Industrial Technology Research Institute (ITRI) in Taiwan. Before he joined ITRI, he had worked for consultants and SI engineering company in the field of civil and environmental engineering for ten years. At ITRI, his research interest is on industrial wastewater treatment and reclamation, and smart technology. He served as consultant for Taiwan's science parks, Singapore's Public Utilities Board and semi-conductor industry on the evaluation and improvement of water use efficiency and wastewater reclamation. He also established smart operation system for science park wastewater treatment plants at three major science parks in Taiwan.

Speakers: Jonathan Greene, PE, CPD Consultants, Houston, Texas
Chi-Chung Chang (張濟群博士), PhD, Principal, CPD Consultants; Adjunct Faculty, University of Houston, Houston, Texas

Topic: What We Need to Know About MAAPnext - An Update of FEMA Flood Risk Management Tool

Abstract: In February 2026, FEMA released long-awaited draft flood maps of Harris County and Houston for public comments. These newly released maps represent the first comprehensive update since 2007. These maps reflect updated rainfall data (Atlas 14), terrain features, and more advanced modeling following Hurricane Harvey. A formal public comment and appeals period will follow the current technical review. The Harris County Flood Control District (HCFCD) plans to hold webinars and meetings to assist the public. It is anticipated that the process for Final Adoption of these new maps will take 21 to 36 months (potentially until 2028) before these maps become effective and impact insurance rates

Key Impacts of the New Draft Maps include expanded floodplains, property reclassification, insurance requirements, and localized risk changes. Tools to check your property include the MAAPnext Dashboard, the FEMA Map Service Center, and application for Map Amendments for properties incorrectly mapped in high-risk zones.

About the Speaker: Mr. Jonathan Greene is Principal Engineer at CPD Consultants. He is a highly skilled Environmental project engineer with over 50 years of experience in Projects involving Complex Mission Critical Facilities. As an Environmental Engineer, Mr. Greene brings multi- faceted experience to ensure the success of the Environmental Design Tasks for Projects. He graduated from Yale University, in New Haven, Connecticut, with a Bachelor of Arts (BA) in 1964. He received his Master of Science (MSCE) in 1969 from Columbia University, New York.

About the Speaker: Dr. Chang (張濟群博士) is a Principal Consultant for CPD Consultants. Dr. Chang has over 40 years of experience in managing and conducting architectural planning, engineering design, construction management, and sustainability and resiliency planning projects

for local, state and federal agencies, health care institutions, education and research institutions as well as Fortune 100 firms. He currently teaches construction management at the University of Houston. He is also an adjunct faculty member of the School of Architect at Prairie View A&M University. His diversified technical background and strong management skills grant him the privilege to lead multi-discipline project teams and subcontractors to provide cost effective solutions to clients. He received his master's degree from Oklahoma State University in 1985 and his PhD degree from Rice University in 1990.

Speaker: Doug Coenen, PE, ENV SP, Walter P. Moore Engineering, Houston, Texas
Topic: The Pavement Life Cycle and Good Owner Approaches

Abstract: The discussion will cover the life cycle of pavement from construction, through maintenance, repairs, and eventual replacement. The longevity and performance of pavement are intrinsically linked to its initial design: adequate drainage, proper thickness, reinforcement based on ESAL (Equivalent Single Axle Loads), and a uniform base are all vital. Thoughtful planning at the start sets the stage for lasting success.

To keep pavement in top condition, conducting annual inspections is essential. These reviews should assess the state of joints, overall pavement health, signs of heaving or sinking, and any increase in cracking/spalling compared to previous years. Beyond yearly maintenance, a thorough assessment every five years is recommended.

Effective planning supports budgeting and helps anticipate future degradation. Allocating funds, scheduling repairs and replacements according to assessment reports, and planning ongoing maintenance are all crucial steps toward preserving pavement's long-term structural integrity.

About the Speaker: For Walter P Moore, Mr. Coenen leads the civil engineering group for forensic engineering and federal projects. He has specialties in design associated with drainage, flooding, flood protection, pavement, and utilities. His diverse range of design experience includes civil/site design; geometric and vertical design of roadways; water main and sanitary sewer main design; hydrology and hydraulics including storm drain design, detention ponds; and erosion control, signing, and striping layout. Mr. Coenen has designed federal, state, municipal, and private infrastructure engineering projects including facility upgrades and rehabilitation. He received his Master of Science in Environmental Engineering from Old Dominion University and his Bachelor of Science in Civil Engineering from George Mason University, leading to his engineering licensure in Texas, Louisiana, Virginia, West Virginia, and North Carolina.

Speaker: Clifford C. Lee (黎靖宇博士), PhD, Lee Plastics Consulting, Pearland, Texas
Topic: Polyolefin New Technologies, Market Dynamics, Upcycling and Deconstruction

Abstract: In the past five years 2021-2026, there have been pronounced shifts in the following three major fronts:
A) Technology developments (primarily catalyst design) in PE and PP
B) Global market dynamics in terms of supply/demand adjustments
C) Development in polyolefin upcycling and deconstruction, work by academia with industrial relevance

This session will highlight the key developments in each category above.

About the Speaker: Dr. Lee received his Ph.D. in Chemistry from Rutgers University and conducted research in polymers at Cornell University and Purdue University. After working for CP Chem, Ineos, LyondellBasell, and Formosa Plastics in the polyolefin arena in various capacities, he moved on to two polymer consulting firms namely Chemical Market Resources (VP) and Townsend Solutions as President. Subsequently he founded Lee Plastics Consulting, LLC and has provided services to the petrochemical industry worldwide conducting workshops, catalyst development, production troubleshooting, and polyolefin waste upcycling/ deconstruction. Entrenched in the polyolefin field, he has also organized major polyolefin conferences in Houston, Beijing, Ningbo, Shanghai, Singapore, Seoul, and Bangkok. In May 2023 he was awarded a special Renewable Resource Forum Invited Lectureship by Tsinghua University in Beijing.

Speaker: Michael Liu, President, American P&G Corp, Houston, Texas
Topic: Using Starch in Environmental Recycle Business

Abstract: Starch-based materials (foams, packaging) are generally not recyclable through traditional plastic streams but are biodegradable in industrial compost, breaking down in 6-9 months. In paper recycling, residual starch from coated papers can act as a contaminant, but it is often repurposed or removed during the pulp cleaning process. Retired waste wood pallets, waste wood boxes after unpack handling, and decorative wood panels left after works can all be recycled as secondary materials by the new starch glued and reused.
Key Aspects of Starch in Recycling include: Biodegradable Packaging, Paper Industry Impact,

Modification for Reuse, and Material Compatibility. For the best environmental outcome, starch-based products should be separated from plastic recycling and directed to recycling business facilities.

About the Speaker: Michael Liu is in business of water & wastewater treatment technology and environmental projects. He has a B.S. in Chemistry from Chinese Culture University, Taiwan, and M.S. degrees in Chemical Engineering from the University of New Mexico and Industrial Engineering from Southern Methodist University. He worked at Bechtel Corp. and at Euroasia Corp. in Taiwan before returning to the United States to found America P & G Company, teaming up suppliers and contractors to work projects internationally. He successfully completed a hundred installations for water plants and wastewater treatments in the Far East Market. Currently, he is retired in Sugar Land, Texas.

His efforts in helping the community can be seen through his services on the board of the Criminal and Public Safety with Houston-Galveston Area Council (H-GAC) for the City of Sugar Land Police Department. He has also served on the board of the Friendship Committee of Fort Bend County and Global Initial of Fort Bend County Judge Committee and as Chair of the Chinese American Professional Association in 2005.

9:00 a.m. – 11:50 a.m.	***Accounting Session* (會計師講座)** **Houston Society of Chinese American CPAs (HSCACPAs)** **休斯頓華人會計師協會協辦**
Chair:	**Carol Chen (陳叢), CPA, Southwestern Bank**

Speaker: Isabelle Liu, CPA, New York Life
Topic: Advising Clients on Long-Term Strategies

Abstract: Advising clients on long-term care (LTC) strategies is a critical component of comprehensive client guidance, especially for CPAs supporting individuals through retirement and risk-related decisions. This seminar will explore what long-term care is, who is most likely to need it, and why creating a proactive LTC strategy is essential to preserving assets and maintaining independence. We will discuss client preferences around care settings, including home care, assisted living, and nursing facilities, as well as the rising costs associated with each option.

Attendees will gain insight into various funding approaches, including self-funding, hybrid solutions, and traditional long-term care insurance. The session will also cover key features of LTC insurance policies, such as benefit triggers, elimination periods, and reimbursement structures. In addition, we will review the underwriting process, common eligibility considerations, and available tax incentives that may benefit clients.

About the Speaker: With a background as a CPA and in her current role as Investment Advisor Representative (IAR), Ms. Liu specializes in tax diversification strategies and the use of tax-advantaged financial vehicles to help clients build personalized, effective asset protection strategies focused on long-term wealth preservation. She offers a wide range of solutions to support clients in areas such as Life insurance, retirement planning, tax-saving strategies, long-term care insurance, and lifetime income solutions. She holds a Master of Science in Accounting from the University of Houston–Clear Lake, a Master of Science from Nanjing University, and an Executive MBA from China Europe International Business School (CEIBS). Isabelle is a passionate community leader. She has many years of volunteer experience with various nonprofit organizations – C.A.R.E, HSCACPAs and Sugar Land Walking Team.

Speaker: Nina Zheng, CPA, Senior Tax Manager, Withum CPA Firm
Topic: International Tax Essentials

Abstract: International tax has always been a demanding area, and OBBBA adds a new layer of complexity that reshapes how foreign connections interact with U.S. tax rules. These changes can create advantages, but they also introduce real risks. Missing the impact may lead to unnecessary reporting, compliance failures, and significant penalty exposure. At the same time, the new framework opens the door to valuable planning opportunities, from restructuring ownership to optimizing profit flows and strengthening long-term tax strategies.

About the Speaker: Nina Zeng, CPA, PFS™ is a Senior Tax Manager at Withum with deep expertise in international tax compliance and cross border planning, advising multinational companies on global tax structuring and optimizing their worldwide tax strategies.

Speaker: Eric Zhang, CPA, Eric Zhang & Associates, LLP
Topic: Tax Planning for Family Businesses and Strategies for Asset Protection and Wealth Transfer under the New Tax Law

Abstract: Under new tax laws, this session explores tax-efficient strategies for family and businesses, integrating asset protection and wealth transfer to optimize structure, reduce risk, and achieve long-term legacy goals.

About the Speaker: Speaker: Eric Zhang, CPA, MST, is Founder of Eric Zhang & Associates LLP and Chairman of the Board of Directors of Sino-American CPAs Association, specializing in cross-border tax, wealth planning, and asset protection.

9:00 a.m. – 11:50 a.m.	***Popular Science Session* (科普講座)** **Formosa Association of Student Cultural Ambassadors (FASCA) 海外青年文化大使協辦** **Science and Technology Division, Taipei Economic and Cultural Office in Houston 經文處科技組協辦**
Co-Chairs:	**Pei-Ching Tai (戴珮青博士), PhD, FASCA Advisor** **Peggy Chiu (邱佩冠), FASCA Advisor**

Speaker: Pin-Chuan (PC) Chen (陳品銓博士), PhD, Director, Science and Technology Division, Taipei Economic and Cultural Office in Houston
Topic: Popular Science in Taiwan and Why Semiconductor Matters in Our Life

Abstract: In Taiwan, people really love science and technology, and they do a lot to share it with everyone. Places like the National Museum of Natural Science (自然科學博物館), and the Taiwan Science Education Center (台灣科學教育館), organize fun events like exhibitions and workshops where you can learn cool stuff about science every year. The National Science and Technology Council (國科會) also encourages university professors to talk about their research in a way that everyone can understand. These events are not just about showing off new discoveries, we also want to make people curious more about science and technology. We are working hard to attract more young talents can enjoy and understand science and technology, so they can dedicate and contribute themselves into science and technology for making a better world.

About the Speaker: Dr. Chen received his Ph.D. in the Mechanical Engineering Department of Louisiana State University, USA, in May of 2009. Following graduation, he worked in the Microfluidics Manufacturing Programme (MMP) of Singapore Institute of Manufacturing Technology (SIMTech) from June 2009 to August 2011. He is now holding a Distinguished Professorship in the Mechanical Engineering Department of National Taiwan University of Science and Technology (NTUST), Taiwan since Feb. of 2022, and recognized as a Fellow of Royal Society of Chemistry since February 2020. He has been serving as Director of Science and Technology Division of Taipei Economic and Cultural Office in Houston since August 2023, and his major duties include promoting international academia cooperation between US and Taiwan, and promoting popular science to young talents.

Speaker: Yi-Hsin Liu (劉沂欣博士), PhD, Associate Professor, Department of Chemistry, National Taiwan Normal University (NTNU)

Topic: Quantum Phenomena and Chemical Development: Applications from Semiconductors to Biology (量子現象與化學發展：從半導體到生物學的應用)

Abstract: We begin with a simple question: how can electrons pass through barriers that seem impossible to cross? This effect, known as quantum tunneling, arises from the wave-like nature of matter and underpins modern semiconductor devices, enabling the continued miniaturization of electronic components.

Building on this, we explore key quantum concepts such as superposition and entanglement, which challenge classical intuition and form the foundation of emerging technologies like quantum computing, as well as recent developments in quantum biology. For example, new models suggest that human olfaction may involve molecular vibrations and electron transfer, offering an alternative to traditional shape-based theories. These insights open possibilities for non-invasive disease detection through chemical sensing.

As we probe smaller scales, classical models become insufficient. Quantum mechanics does not replace them but extends our ability to understand nature. Ultimately, scientific progress may depend not only on better answers, but on asking questions at the right scale.

About the Speaker: Yi-Hsin Liu is an Associate Professor in the Department of Chemistry at National Taiwan Normal University (NTNU) and has served as the Taiwan Representative to the IUPAC Committee on Chemistry Education (CCE) since 2025. He received his Ph.D. in Chemistry from Washington University in St. Louis (WashU) and completed postdoctoral training at The Ohio State University and National Taiwan University. He is currently a Visiting Scholar at the Smalley-Curl Institute, Rice University.

His research spans quantum materials and low-dimensional semiconductors, spin–exciton coupling and magneto-optical spectroscopy, advanced spectroscopic and mass spectrometric analysis, and chemistry education. He has published 36 peer-reviewed articles in high-impact journals, accumulating over 1,470 citations with an h-index of 16.

Prof. Liu has also coached Taiwan's International Junior Science Olympiad (IJSO) teams for seven years, consistently achieving top international results, and is a dedicated advocate for science outreach and interdisciplinary chemistry education.

Speaker: Tung Shu (徐彤醫師), MD, Vanguard Urologic Institue

Topic: Robotic Surgery and Its Advancement

Abstract: Over the past three decades, robotic technology has been progressively integrated into surgical practice, with particularly rapid advancement in the last twenty years due to developments in computer-assisted systems, telepresence, and virtual reality. Robotic surgery has demonstrated clear advantages in minimally invasive procedures, including improved visualization, greater precision, and enhanced dexterity. At present, the Da Vinci Surgical System, developed by Intuitive Surgical, is the most widely used platform worldwide. Nevertheless, the field continues to evolve, with emerging technologies and new competitors expected to further advance robotic-assisted surgical care.

About the Speaker: Tung Shu, MD, received his medical degree from The University of Texas Medical Branch in Galveston, where he also completed his residency training in general surgery and urology. Dr. Shu subsequently completed two fellowships in Endourology/Minimally Invasive Surgery and Urologic Oncology at Baylor College of Medicine. He also completed a third fellowship in Urologic Oncology at Taipei Medical University. Dr. Shu is board-certified and specializes in urologic oncology.

Speaker: Wei-Lei Yang (楊偉磊博士), PhD, AIxMed, Inc., Santa Clara, California
Topic: Fighting Cancer with AI: How New Technology Helps Detect Cancer

Abstract: In the 1990s, the personal computer (PC) was rapidly transforming from emerging technology into an essential tool. Windows, Microsoft Office, the internet, web browsers, and search engines soon became vital skills for every student.

Recently, artificial intelligence (AI) has begun a similar transformation. In the years to come, AI and its applications (e.g., large language models, self-driving cars, smart robots, AI agents) will become increasingly integrated into our daily lives. Learning how to understand and use AI will become an important skill for the next generation.

This talk will introduce how AI is advancing medicine and how AI can work together with doctors and existing medical technologies to create brand-new tools, support medical breakthroughs, and help fight serious diseases. Through engaging and accessible examples, students will learn how we train AI to become a powerful assistant, helping to diagnose cancer more accurately and efficiently.

About the Speaker: Dr. Yang received his Ph.D. in Cancer Biology from The University of Texas MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences in 2013. He then completed postdoctoral training at The University of Texas MD Anderson Cancer Center in May 2019. During this time, he was selected as an MD Anderson Odyssey Fellow, an honor awarded to outstanding young investigators pursuing innovative cancer research.In June 2019, Dr. Yang joined AIxMed, Inc., a Silicon Valley-based startup company. With more than 20 years of experience in biomedical research, he is passionate about bridging AI and medicine to address major challenges in healthcare. His work focuses on developing innovative AI tools that help doctors detect cancer more accurately and efficiently. Through his talk, Dr. Yang hopes to inspire students to see how science, technology, and creativity can come together to solve real-world problems and make a meaningful difference in people's lives.

8:30 a.m. – 11:50 am.	***Nano Technology Session* (奈米科技講座)**
Co-Chairs:	**Howard Paul (浦浩德博士), PhD, PE, SRI Global, Inc., Houston, Texas** **Cheng Yan (嚴成博士), PhD, Professor, Southern University and A&M College**

Note: *Earn 3.5 hours of Professional Development Hours (PDH) by attending this session. Certificate will be issued as per request after conference. (*賺取 *3.5 PDHs,* 根據要求會議後發出證書*)*

Speaker: Howard Paul (浦浩德博士), PhD, PE, SRI Global, Inc., Houston, Texas

Topic: New Nano Additives Commercially Produced for Engineering Plastics Upgrade (新納米添加劑商業生產,應用於工程塑料的升級)

Abstract: A major obstacle to the application of plastics in engineering is their mechanical strength, toughness, wear and tear resistance. One way to improve engineering plastics is to enhance mechanical strength by the addition of Nano additives composite whiskers. SiC Nano whiskers and Al2O3 Nano whiskers therefore have been aimed by bonding with raw plastics pellets and with other additives as composite reinforcing materials for conventional engineering plastics upgrade. Concentrated efforts have commercially produced by our USA Patent technology # US8426328 for two new Nano additives "silicon carbide (SiC) whiskers and alumina (Al2O3) whiskers". These two new Nano additives can be utilized as a drop-in process technology to achieve an overall solution for commercial engineering plastics upgrade. These two Nano additives can upgrade engineering plastics, specialty plastics and thermoplastics for industrial application areas included aerospace, automotive parts, transportation, construction heavy duty equipment, and explosion-proof safety applications.

Speaker: Cheng Yan (嚴成博士), PhD, Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana

Topic: Machine Learning as a Bridge from Molecular Structure to Shape Memory Behavior (機器學習：從分子結構到形狀記憶行為的橋樑)

Abstract: Shape memory polymers (SMPs) are stimuli-responsive materials with broad potential in soft robotics, biomedical devices, and engineering applications. Achieving reliable SMP performance across length scales requires both rational material design and robust constitutive modeling. Conventional SMP development relies heavily on empirical approaches and theory-driven models, which can be time-consuming and demand substantial expertise in mechanics. Machine learning (ML) offers a promising alternative by enabling data-driven discovery and property prediction. This perspective reviews recent advances in ML-assisted SMP research, including fundamental SMP concepts, workflows for ML-based design, and applications of ML in identifying new SMP chemistries and predicting thermo-mechanical and shape memory behaviors. Current limitations—such as inadequate structural representations and challenges in incorporating thermal and time-dependent effects—are discussed, along with future directions toward polymer-specific neural networks and topology-aware modeling frameworks.

Speakers: Donald Mozea, Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana

Topic: Modeling the Glass Transition Zone of Thermoset Polymers Using a Multiscale Machine Learning Framework (基於多尺度機器學習框架的熱固性聚合物玻璃化轉變區域建模研究)

Abstract: The glass transition in polymers governs their thermomechanical performance, yet predicting this transition remains challenging due to its complex molecular dynamics. Machine learning (ML) offers an effective approach to address this challenge by capturing nonlinear correlations between molecular structure and thermal response. In this paper, we introduce an ML framework for modeling the entire glass transition zone of thermoset polymers using a multiscale

fingerprinting approach that integrates microscopic, mesoscopic, and macroscopic features. A dataset of 204 thermoset shape-memory polymers was used to train and compare three models: support vector regression (SVR), gaussian process regression (GPR), and artificial neural network (ANN). The ANN has the highest predictive performance and was further validated on new polymer classes, confirming its ability to generalize to unseen data. This approach advances ML-assisted polymer design and offers a practical foundation for future materials research, improving our ability to predict and tailor polymer properties with more precision.

Speaker: Ransford Opoku-Afriyie, Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana Engineering, Louisiana State University, Baton Rouge, Louisiana

Topic: A Graph Convolutional Framework for Predicting Glass Transition Temperature in Thermoset Shape - Memory Copolymers (基於圖卷積網絡的熱固性形狀記憶共聚物玻璃化轉變溫度預測方法)

Abstract: Advances in machine learning have accelerated the design of new polymers; however, predicting the glass transition temperature (Tg) remains a central challenge due to complex chemo-physical mechanisms on multiple scales. Considering traditional Graph Convolutional Neural Network (GCN), which are limited to homopolymers, we developed a novel GCN for Thermoset Shape-Memory Copolymers (TSMCs) by modifying adjacency and node feature matrices to encode atomic environment and copolymer topology. A dataset of 204 literature-derived formulations was used to train a model, which achieved superior performance ($R^2 = 0.84$, MAE = 10.7 °C, MAPE = 3.25%). This model outperformed artificial neural networks using Morgan fingerprint descriptors. This approach enables effective representation of complex copolymer structures for accurate property prediction.

Speaker: Liheng Wu (吳立恆), Department of Mechanical Engineering, Southern University and A&M College, Baton Rouge, Louisiana

Topic: Machine Learning for Flame Retardant Polymer Material Design: A Comprehensive Review (機器學習在阻燃聚合物材料設計的應用: 綜述)

Abstract: Flame retardant (FR) polymer materials play a crucial role in improving fire safety across transportation, electronics, construction, and aerospace industries. Traditional FR material development relies heavily on experimental trial-and-error, which is costly, time-consuming, and often inefficient. In recent years, machine learning (ML) has emerged as a powerful tool for accelerating FR material design. This review summarizes advances over the past fifteen years in applying ML to predict flammability metrics such as Limiting Oxygen Index (LOI), cone calorimetry parameters (TTI, pHRR, THR), and Flame Retardancy Index (FRI). We systematically analyze data representation strategies, model architectures, interpretability techniques, synergy identification, and design frameworks. Finally, we discuss current limitations and future directions for next-generation data-driven FR material development.

12:00 p.m. – 2:15 p.m.	***Luncheon and Keynote Address* (午宴及專題演講)**
Master of Ceremonies:	**Paul Liou (劉志忠), MBA, ACAP President-Elect**

Speaker: Jen-Yuan (James) Chang (張禎元博士), PhD, Vice President, Industrial Technology Research Institute (ITRI); General Director, ITRI Mechanical & Mechatronics Systems Research Labs; Chair Professor, National Tsing Hua University
(工業技術研究院機械與機電系統研究所所長)

Topic: AI × Robotics: The Intelligent Evolution from Manufacturing to Ubiquitous Autonomy

Abstract: The convergence of artificial intelligence (AI), robotics, advanced sensing, and intelligent connectivity is driving a profound transformation across industry and society. What began as factory automation for repetitive tasks is rapidly evolving into intelligent autonomous systems capable of perception, learning, decision-making, and adaptive interaction. This keynote explores how AI × Robotics is reshaping manufacturing, mobility, healthcare, infrastructure, logistics, and public services, ultimately leading toward an era of ubiquitous autonomy.

Driven by labor shortages, demographic shifts, sustainability demands, supply-chain resilience, and breakthroughs in generative AI and embodied intelligence, robotics is transitioning from isolated machines into intelligent collaborative partners. The integration of AI with robotics is enabling systems that are not only more efficient and productive, but also safer, greener, and more adaptive to dynamic environments.

A central concept of this keynote is that "any intelligent machine is essentially a robot." Modern intelligent systems—including autonomous vehicles, UAVs, semiconductor equipment, smart factories, railway systems, and service robots—share common technological foundations in sensing, motion control, AI perception, edge intelligence, and digital twins. Robotics is therefore becoming the physical embodiment of AI in the real world.

The presentation reviews the evolution of robotics from conventional automation to mechatronic integration and ultimately AI-native autonomous systems. Traditional industrial robots were optimized for structured and repetitive operations, whereas next-generation robots—including collaborative robots, autonomous mobile robots (AMRs), legged robots, and humanoids—must operate safely and intelligently in complex human-centered environments. This evolution requires the integration of advanced mechanical engineering, multimodal perception, machine learning, and real-time control technologies.

Drawing upon examples from the Industrial Technology Research Institute (ITRI), the keynote highlights representative developments in intelligent manufacturing, service robotics, rehabilitation robots, AI-guided automation systems, semiconductor robotics, and terrain-adaptive robotic platforms. The talk also demonstrates how AI-powered perception, force sensing, tactile sensing, digital twins, and behavior learning are transforming machines into intelligent robotic systems capable of real-world deployment and autonomous operation.

Special attention is given to AI-enabled UAVs and autonomous mobility systems. UAVs are evolving into intelligent flying robots for inspection, logistics, infrastructure monitoring, and dual-use applications, while autonomous vehicles are redefining intelligent transportation through the integration of LiDAR, radar, AI perception, and edge computing. These developments illustrate how robotics technologies originally developed for manufacturing are now expanding into all domains of society.

Finally, the keynote emphasizes that the future of AI × Robotics will depend not only on technological breakthroughs, but also on international collaboration, ecosystem integration, trusted partnerships, and interdisciplinary innovation. As AI increasingly moves from cyberspace into embodied physical systems, robotics will become a foundational infrastructure for future economies and societies. From smart factories to autonomous mobility and humanoid systems, AI × Robotics is redefining how humanity lives, works, manufactures, and interacts with the physical world.

2:30 p.m. – 5:30 p.m.	***Information Technology and Artificial Intelligence Session*** **(資訊科技 & 人工智慧講座)**
Chair:	**Stephen Huang (黃壽萱教授), PhD, Professor, University of Houston, Houston, Texas**

Speaker: Rayleigh Chiang (江秉穎教授), MD, MMS, Professor, School of Medicine, China Medical University, Taichung, Taiwan

Topic: Transforming Sleep Health into Measurable Healthcare Value with Scalable AI

Abstract: Sleep disorders are a major but often overlooked driver of chronic disease and economic loss. Undiagnosed Obstructive Sleep Apnea (OSA) alone affects an estimated 23.5 million Americans and generates $149.6 billion annually in costs, including lost productivity, comorbidities, and accidents. In contrast, diagnosed and treated patients cost far less, highlighting the enormous value of early detection. Texas data show that shifting patients from “undiagnosed” to “appropriately treated” could reduce statewide healthcare and social costs by over 50%.

SleepWell Tech addresses this gap through the DataDriven Scalable Sleep Labs Platform, built on Asia’s largest clinical sleep database. Its AIdriven tools enable populationscale screening and intervention. Improving sleep health yields high ROI for individuals, employers, insurers, and public health systems. By integrating scalable AI technologies, we can transform sleep from a neglected symptom into a measurable, economically impactful pillar of healthcare.

About the Speaker: Dr. Rayleigh Ping-Ying Chiang is an internationally recognized physician-scientist and health-tech innovator specializing in sleep medicine, preventive healthcare, and digital health technologies. In 2012, he authored Introduction to Modern Sleep Technology (Springer), the first textbook defining the field of Sleep Technology. As Founder and CEO of SleepWell Technology Inc., he developed the Data-Driven Scalable Sleep Labs (DSL) platform, integrating AI-driven sleep analysis and non-pharmacological interventions to improve preventive care and reduce long-term healthcare costs. His work focuses on transforming sleep disorders into manageable and preventable healthcare challenges while advancing value-based

care and health economics. Prof. Chiang collaborates with major healthcare and insurance organizations, including Kaiser Permanente and Taiwan Life Insurance. He also serves as President of ISSTA Germany Headquarters, Professor at China Medical University in Taiwan, and Clinical Professor at Sam Houston State University, Texas.

Speaker: Shang Chen (Alison) Wu (吳尚真醫師), MD

Topic: The Longevity Roadmap: Using AI and Precision Medicine to Navigate your 120 -Year Journey (長壽藍圖:利用AI與精準醫學,導航您的120歲人生)

Abstract: Artificial intelligence is rapidly transforming the future of healthcare, wellness, and longevity medicine. Rather than simply treating disease after it occurs, AI now allows us to identify patterns of aging, chronic inflammation, metabolic dysfunction, sleep disruption, and lifestyle-related decline earlier than ever before. In this presentation, Dr. Allison Wu will explore how current AI-powered technologies — including wearable devices, continuous health monitoring, predictive analytics, and personalized nutrition tools — are reshaping the way we approach healthy aging and preventive medicine.

The session will discuss how AI can help individuals better understand their biological age, optimize sleep, improve metabolic health, reduce stress, and develop sustainable lifestyle habits that support longevity. Combining perspectives from obesity medicine, lifestyle medicine, functional medicine, and longevity-focused care, this talk offers a practical and forward-looking vision of how AI may help people live not only longer, but healthier, more energetic, and more meaningful lives.

About the Speaker: Dr. Allison Wu is a board-certified physician with certification in obesity medicine, lifestyle medicine, functional medicine and aesthetic medicine. She holds medical licenses in the United States, Taiwan, and Japan, and is passionate about preventive health, wellness, and healthy aging. Dr. Wu has a special interest in lifestyle-based approaches to improving long-term health, including nutrition, exercise, sleep, stress management, and metabolic wellness. She is particularly interested in how currently available technologies and AI-powered health tools can support healthier daily habits and improve quality of life.

With a multicultural background and international medical experience, she enjoys educating diverse communities about practical and sustainable approaches to wellness and longevity.

Speaker: Stephen Huang (黃壽萱教授), PhD, Professor, University of Houston, Houston, Texas

Topic: Generative AI: Learning Patterns, Acquiring Knowledge, and Taking Action (生成式人工智慧:學習模式,獲取知識,規劃行動)

Abstract: Generative AI has advanced rapidly, moving beyond pattern-matching language models toward systems that can access knowledge and take meaningful action. This talk explores that evolution through three stages: learning, knowledge, and action. We begin with large language models (LLMs) and their remarkable ability to generate and reason with text — along with their limitations, including hallucinations and lack of factual grounding. We then introduce Retrieval-Augmented Generation (RAG), a powerful approach that enables AI systems to look

up information, cite sources, and provide more accurate, trustworthy answers. Finally, we examine the rise of Agentic AI: systems that can plan, use tools, and perform multi-step tasks. Together, LLMs, RAG, and agentic capabilities represent the next wave of AI intelligence.

About the Speaker: Professor Stephen Huang received his BS in Mathematics from the National Cheng Kung University of Taiwan and his PhD in Computer Science in 1981 from the University of Texas-Austin. Since then, he has been at the University of Houston, where he is currently a full professor. Dr. Huang is also a life senior member of IEEE and a member of ACM. His main research areas include Cybersecurity, Algorithms, and Data Analytics, and he has published over 100 refereed conference and journal papers. His current research detects active adversaries hiding behind anonymity networks and AI Security.

2:30 p.m. - 5:30 p.m. ***Business Management Session*** **(商業管理和AI運用講座)**
Global Federation of Chinese Business Women in Southern USA (GFCBW)
世界華人工商婦女企管協會美南分會協辦
Chair: Lisa Sun (孫玉玟), President, GFCBW

Speaker: Grace Feng (馮春梅), Founder, Global eSchool

Topic: AI Office Accelerator; Master AI Video Generation for Enhanced Productivity (AI辦公室加速器；掌握AI視頻生成, 全面提升工作效能)

Abstract: 人工智慧（AI）正在快速改變工作、管理、行銷、領導力與創業模式。無論是企業主管、經理人、技術專業人士、創業者或一般上班族，都面臨如何善用 AI 提升競爭力的重要課題。本講座將從四個面向探討 AI 時代的實務應用。首先介紹如何運用 ChatGPT、Copilot、Gemini 等 AI 工具打造「AI 辦公室加速器」，提升文件處理、資料分析、簡報製作與日常工作的效率。其次探討「AI 時代領導力擴大器」，分享領導者如何運用 AI 強化決策能力、團隊管理、知識傳承與創新思維。第三部分將介紹「AI 品牌建立與市場拓展」，說明如何透過 AI 文案、圖像設計、短影片製作、數位人技術及社群媒體經營，建立個人品牌與企業品牌，擴大市場影響力與客戶觸及範圍。最後分享「AI 創業實戰」，探討 AI 如何協助降低創業門檻，开创新公司。透過實際案例與工具示範，幫助參與者掌握 AI 時代的核心能力，從提升效率走向創造價值，從個人成長走向組織與事業的突破。

About the Speaker: Grace Feng (馮春梅)擁有27年IT與商業科技服務經驗，是一位結合科技、管理與培訓實務的講員、顧問與導師。她擁有John Maxwell Leadership Team領導力認證，並取得美國德州大學奧斯汀分校（UT Austin）「AI for Leaders」認證。過去四年，她曾持續擔任休士頓大學電腦科學碩士Capstone Project導師四年，協助培養新一代科技人才。 Grace長期從事企業網站建置、數位行銷、軟體顧問、商業流程優化，以及人工智慧應用培訓，服務對象涵蓋中小企業、大型代理商、政府單位、非營利組織與教育領域。她特別擅長將複雜的AI工具與技術，轉化為職場人士、管理者與企業主都能實

際應用的工作流程與解決方案。目前她積極推動中文AI教育與實戰培訓，課程內容涵蓋 ChatGPT、Google、Gemini、NotebookLM、Microsoft Copilot、Notion AI、AI 內容創作、AI辦公室效率提升，以及AI在商業、教育與管理中的應用。她的教學風格重視"實用、落地、易懂"，幫助學員真正將AI用在工作與事業發展上。

Speaker: Louis Lu (魯豫), AI Marketing Specialist
Topic: The AI Marketing Revolution: Opportunities, Advantages, and Strategic Implementation (AI行銷革命: 掌握時代紅利、競爭優勢與實戰策略)

Abstract: 用更低成本，搶先建立品牌、流量與成交優勢

- 看懂行銷權力轉移，提早卡位新機會
- 掌握四個時代的成功邏輯，少走彎路
- 提早布局 AI 推薦與新流量入口
- 讓品牌更容易被理解、被信任、被選擇
- 用較少預算，建立更高效率的行銷系統
- 把專業能力放大成可複製的系統
- 帶走可落地的方法與案例
- 適合對象

About the Speaker: 魯豫（Lu, Yu）,品牌行銷實戰派，先鋒行銷模式探索者，AI行銷專家。早年在中國大陸為中國物業管理第一品牌——中海物業，提出並參與打造了"氛圍管理"的品牌服務模式，"氛圍管理"曾經被中國建設部作爲行業典範，進行全國推廣；後來創立深圳尚道房地產顧問公司，服務中國衆多大型房地產項目的行銷，實現差異化策略、文化主題策略、市場空白點策略等多個房地產行銷成功案例；2007年移民美國，就職大紀元與新唐人媒體集團，歷任行銷總監與內容行銷副總裁，幫助衆多北美中小企業實現了品牌創立、强化與業績的大幅度增長；2015年創立善道創新有限公司，探索並實踐社交媒體時代的行銷模式；2026年創立Intentional Intelligence Institute(意圖智慧機構)，探索並實踐AI行銷模式和商業模式。

Speaker: Lisa Sun (孫玉玟), President, The Epoch Times and NTDTV Houston Branch
Topic: Media in the Age of AI: Safeguarding Truth Amidst Digital Transformation and Disruption (AI時代下的媒體轉型與衝擊: 當真相變得難以辨認, 誰來守護事實?)

Abstract: 人工智慧正以前所未有的速度改變商業世界。從內容生成、自動化行銷到客戶服務，AI 為企業帶來效率與創新機會；然而，假訊息、深度偽造（Deepfake）、網路謠言及資訊操控等新型風險，也正對企業品牌聲譽與公眾信任帶來前所未有的挑戰。在資訊爆炸的時代，消費者不再只關心產品與價格，更重視企業的誠信、透明度與社會責任。當一則不實訊息可能在數小時內傳遍全球，企業該如何快速辨識風險、有效應對危機，並建立長期可信賴的品牌形象？本場演講將結合媒體實務經驗與最新 AI 發展趨

勢，探討企業在 AI 時代面臨的資訊挑戰，以及如何透過正確的溝通策略、品牌管理與媒體素養，將危機轉化為機會，建立市場信任與永續競爭力。在科技快速演進的今天，真相、信任與品牌價值，將成為企業最重要的無形資產。

About the Speaker: Lisa Sun is President of The Epoch Times Chinese Newspaper Houston Branch, New Tang Dynasty TV Station (NTDTV) Houston Branch, and Global Federation of Chinese Business Women Southern USA Chapter. She is also the current President of the Global Federation of Chinese Business Women in Southern USA.

Speaker: Michael Tang (湯東洲博士), PhD, Co-Founder, Grace Computer & Internet Corp

Topic: Unlocking Your Potential: Why PMP and Agile Certifications are the Keys to Career Advancement (啟動職涯潛能:解析PMP與敏捷認證為何是晉升與高薪的通行證)

Abstract: 人工智慧（AI）正快速改變全球產業運作模式。從內容生成、數據分析到流程自動化，AI 為個人與企業帶來前所未有的效率提升。然而，在技術快速進步的同時，許多人也開始思考：當 AI 能夠完成越來越多工作時，人類真正的價值在哪裡？在 AI 時代，資訊不再稀缺，工具也日益普及。真正能夠創造差異的，不是擁有更多資訊的人，而是具備判斷力、領導力與整合能力的人。企業需要的不只是能夠執行任務的人才，更需要能夠將策略轉化為行動、將資源整合為成果、並帶領團隊創造價值的領導者。本場演講將從實際職涯發展與企業管理經驗出發，探討 PMP（Project Management Professional）與 Agile（敏捷管理）在 AI 時代的重要性。透過專案管理與敏捷思維，人們不僅能夠提升決策能力、風險管理能力與跨部門協作能力，更能培養快速適應變化、持續學習與帶領團隊前進的核心競爭力。演講中將分享講者從化學家、實驗室主管，到企業共同創辦人、專案管理與品質管理領導者的轉型歷程，以及 PMP 與 Agile 如何協助專業人士突破技術職涯的限制，從專家角色進一步成長為能夠創造商業價值與組織影響力的領導者。當 AI 持續進步，未來職場競爭的關鍵將不再只是掌握技術，而是如何善用技術、整合資源、推動變革並帶領團隊實現目標。未來屬於那些能夠策略思考、快速適應、持續學習與創造價值的人。在 AI 時代，PMP 與 Agile 不只是認證，更是一套幫助個人突破職涯天花板、提升領導力與擴大影響力的重要能力框架。

About the Speaker: Dr. Michael Tang湯東洲是一位擁有博士學位的化學專家，在實驗室運營、品質管理體係以及法規合規領域，擁有超過30年的豐富產業經驗。他長期活躍於專業領域，曾在多個國際會議上發表技術論文，並主講多場專業培訓課程。

湯博士也是兩本專業著作的作者，包括Basics of Specialty Gases Analysis（《特種氣體分析基礎》，2011）以及How to Think Like PMI for the PMP Exam （2026）。這些著作充分體現了他在技術專業領域與專案管理培訓方面深厚的知識累積與實務經驗。除了深厚的學術與產業背景之外， 湯東洲還擁有多項專業認證，包括 PMP、PMI-ACP、PSM I、

Lean Six Sigma Black Belt、ISO 9001 Lead Auditor、ISO/IEC 17025 Lead Auditor、ISO/IEC 27001 ISMS Lead Auditor，以及CompTIA A+。這些資歷充分展現了他在專案管理、品質系統、審核實務、資訊安全與持續改善等方面的專業深度。湯東洲多年來不僅具備第一線實驗室管理、標準導入與審核準備的實務經驗，也非常擅長把複雜的標準、制度與方法，轉化為清楚、實用、容易理解的指導內容，幫助許多專業人士在工作中建立信心，也在各類認證考試中取得成功。

2:30 p.m. – 5:30 p.m.	***Health Session* (健康講座)**
Chair:	**Jean W. Lin (林琬真復健師), PT, Wilcrest Physical Therapy Patient Education Division (杏林復健診所健康教育部門)**

Speaker: David Lin (林隆一醫師), MD

Topic: The Diagnosis and Treatment of Shoulder Rotator Cuff Injuries and Shoulder Arthritis (肩關節關節炎和肩旋轉肌損傷診斷與骨科治療方法)

Abstract: The shoulder joint is the most complicated and perhaps the most frequently used joint in our bodies. Shoulder joint is wrapped by goups of muscles like a cuff and they are responsible for rotation movements of shoulder. Once these rotator cuff muscles are injured, it can cause severe pain and great loss of motions and function. Rotator cuff injuries and shoulder arthritis need to be examined thoroughly,diagnosed accurately and treated precisely by an orthopedic surgeon to restore normal function of the shoulder joint. 肩關節是全身構造最複雜也可能是使用最多的關節，肩關節被數層的肌肉如袖口般包住，主要做旋轉的動作，一旦受傷會造成嚴重的疼痛和動作及功能上重大的損失。肩袖損傷和肩關節炎疾病和損傷需要骨科醫師詳細的檢查，正確的診斷和精準的治療方法才能幫助病患恢復肩關節的正常功能。

About the Speaker: David Lin (林隆一醫師) Orthopedic Surgeon, 骨科醫師 got medical degree from University of New Jersey Medical School紐澤西大學醫學院畢業. Specialized in Orthopedics in knee, shoulder, elbow and hip joint disorders and injuries and sports injuries. He also serves as an assistant team physician with Rockets, Astro and Dynamo.專精膝，肩，肘及髖關節疾病和損傷，運動傷害，也是Rockets, Astro, Dynamo 球隊助理醫師

Speakers: Isabelle Hwang (黃翊綺物理治療醫師), PT, DPT, CLT

Topic: Rehabilitation of Shoulder Disorders (肩關節疾病的復健)

Abstract: The structure of shoulder joint is very complicated and the rehabilitation of shoulder disorders and injuries is not only to reduce pain and inflammation, to improve movements and function of joint , but also to restore muscle strength, full joint motions and to prevent future

injuries.肩關節構造複雜，肩膀疾病和損傷的復健除了減少發炎疼痛，增加關節活動度，還要恢復肌肉力量及正常的關節動作及功能，及預防將來再傷害。

About the Speaker: Isabelle Hwang (黃翊綺物理治療醫師) has a degree of Doctor of Physical Therapy from University of Incarnate Word, 聖道大學物理治療醫學院畢業。Specialized in physical therapy and rehabilitation of Orthopedic, neurological disorders, sports injury, urinary incontinence, lymph edema and vestibular balance disorders. 專精骨科，神經科，運動傷害，尿失禁，淋巴水腫及內耳失衡的物理治療與復健。

Speakers: Jean W. Lin (林琬真復健師), PT
Topic: **Sarcopenia (肌少症)**

Abstract: Definition, Symptoms, Rehabilitation and prevention of Sarcopenia, 肌少症的定義，症狀復健及預防治。The decreased muscle mass affects muscle strength, movement coordination and daily activity and function and causes frequent falls and injuries, health problems and even death. Treatment for sarcopenia requires a protein rich diet and good exercise habits! Preventing Sarcopenia needs to start from younger age to build up muscle mass and strength. 肌肉量減少引起肌肉無力，動作失調，日常功能受損而導致經常跌倒受傷，甚至危害到健康及生命，治療肌少症因此日益受到重視。治療肌肉量需要靠含豐富蛋白質的飲食與良好的運動習慣。預防肌少症更是要從年輕時就開始注意建立肌肉質量與力量。

About the Speaker: Jean Lin (林琬真復健師) Graduated from The Division of Rehabilitation Medicine of National Taiwan University. Been practicing in Houston area since 1980 and founded Wilcrest Physical Therapy Clinic in 1998 with two locations serving patients in the Houston area. 畢業於國立台灣大學復健醫學系， 從1980年即在休士頓執業，1998年創立杏林復健診所，目前有兩個地點服務休士頓地區病患。 Specialized in physical therapy and rehabilitation of Orthopedic disorders, sports injuries and chronic pain. 專精骨科，運動傷害，慢性疼痛的物理治療與復健

2:30 p.m. – 5:30 p.m.	***Young Professionals Networking Session* (青年專業人士交流講座)** **Joint Chinese College Alumni Association of Southern USA (JCCAA)** 美南大專院校聯合校友會協辦
Chair:	**Amy Ku (辜千慈博士), PhD, Scientist, Baylor College of Medicine**

Speakers: Jutien Hsieh (謝睿恬), PE, MBA, VP – Engineering Operations, ECNS Global Consultants, LLC
Jerry Hsu (許亞傑), Solutions Architect, AI Solutions, Delaware North America Inc.
Peter Lee, Sr. Director and Healthcare Provider CTO, NTT DATA
Johnny Tsai (蔡嘉銘), PE, Principal, AlphaECC Maxx LLC

Abstract: Have you ever wondered, “What does a consultant actually do, and how do you break into the industry?” This interactive panel is designed to demystify the profession for graduate students and newcomers. Featuring three experts at distinct career stages, this session provides an insider’s look into the true nature of the job—from managing diverse client portfolios to thriving in fast-paced environments. Our panelists will share their personal journeys, offering practical strategies to help you navigate the recruiting process and successfully pivot from an academic or technical background. If you want to understand the day-to-day reality of this dynamic career and unlock the exact steps to launch your own consulting journey, this session is your essential roadmap.

About the Speaker: Jutien Hsieh is a seasoned leader in the power industry with ~20 years of experience as a consulting engineer. Originally from Taiwan, she moved to the U.S. during high school and earned her B.S. in Electrical Engineering from the University of North Carolina at Charlotte. Early in her career, she was promoted to a supervisory role, demonstrating her leadership abilities. While working, she furthered her education by earning an MBA from Queens McColl Business School. Four years ago, Jutien relocated to Houston with her family. She now works for ECNS Global Consultants as Vice President in Engineering operations. Beyond her professional achievements, she is also a dedicated mother to two wonderful young daughters.

About the Speaker: Jerry Hsu is an enterprise strategist and technology leader with over 11 years of management consulting experience. Currently serving as the Solutions Architect for AI Solutions at Delaware North America, Jerry drives corporate transformation by designing scalable AI frameworks and aligning technical roadmaps with executive stakeholder goals. Prior to this role, Jerry built a strong consulting foundation at Utegration and later Cognizant. Advancing through the ranks to Consulting Manager across both organizations, he served as a trusted advisor to high-value enterprise clients, leading cross-functional delivery teams and governing full-lifecycle implementations for complex IT architectures. Jerry holds a Master of Science in Computer Science from Texas A&M University and a Bachelor of Science from National Taiwan University. He is an SAP Certified Associate in Generative AI Development and has committed over 12 years to local community volunteerism.

About the Speaker: Peter Lee is a distinguished technology and healthcare transformation leader with over 20 years of experience. He currently serves as Senior Director and Healthcare Provider CTO at NTT DATA, where he guides enterprise innovation and helps major health systems modernize their digital capabilities. Previously, Peter spent 11 years at MD Anderson Cancer Center as IT Director of Engineering, leading a team of 160 professionals to support mission-critical systems for one of the world’s top cancer centers. His earlier career includes impactful roles at Avanade, Aegis Mortgage Corporation, and Yahoo, where he contributed to high-traffic consumer products and enterprise-scale technology delivery. Throughout his career, Peter has been recognized for seamlessly uniting engineering excellence with strategic vision.

About the Speaker: Johnny Tsai, P.E., is a seasoned business and engineering consultant and Principal of AlphaECC Maxx LLC (阿發商顧有限公司), with over 35 years of global experience across the energy, petrochemical, and manufacturing sectors. He holds B.S. and M.S. degrees in Mechanical Engineering from UC Irvine and is a licensed Professional Engineer in

Texas. Throughout his distinguished career at top-tier firms like Worley, Fluor, and Unocal, Johnny has led multidisciplinary teams and managed multibillion-dollar capital projects worldwide. His expertise spans technical leadership, feasibility studies, and EPC execution. Looking ahead, Johnny is deeply committed to giving back through community service, mentoring the next generation of future engineers, and leveraging emerging technologies, especially AI, to strengthen professional practices and support community development in Houston and beyond.

Speakers: Steven Wang (王司文 博士), PhD, Keller Williams Realty Metropolitan
Jutien Hsieh (謝睿恬), PE, MBA, VP – Engineering Operations, ECNS Global Consultants, LLC

Topic: Mentorship: Reflection (導師計畫結業：從連結到傳承)

Abstract: Mentorship catalyzes career growth, personal development, and professional success. In this dynamic networking session, we celebrate the graduation of the 2026 JCCAA Mentorship Program with a powerful focus on self-discovery and legacy. Participants will be guided through an insightful analysis of the Big 5 Personality test, unlocking key traits to enhance communication and leadership skills. Alongside members of the mentorship class, we will share personal experiences, key insights, and success stories that highlight the invaluable role of mentorship. Designed for both prospective mentors and mentees, this session offers a unique space to build meaningful connections, gain career guidance, and contribute to a thriving community. Join us to discover how understanding your personality can power up your career and help guide the next generation!

About the Speaker: Dr. Steven Wang is a distinguished scientist turned real estate professional with a remarkable journey spanning academia and business. Born in Tainan, Taiwan, he earned his B.S. in Marine Biology from Chinese Culture University and an M.S. from National Taiwan University. He later pursued his Ph.D. at UC Davis, where his groundbreaking research in developmental biology earned national recognition and publication in the prestigious journal Development. Dr. Wang continued his scientific career in Houston at MD Anderson Cancer Center and UT Health Houston Medical School, leading pioneering research in retinal regeneration. In 2021, he transitioned to real estate, leveraging his analytical acumen and leadership skills at Keller Williams. As the Co-Chair of the JCCAA Mentorship Program, Dr. Wang is deeply passionate about helping Taiwanese newcomers settle in Houston and guiding the next generation toward professional success.

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2026 SETS Conference Committee

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Conference Chair	Paul Liou	劉志忠
Conference Logistics Coordinator	Betty Tung	閻寶印
Conference Registration Committee Chair	Yen Ting Chen	陳妍婷
Conference Program Editor	Minnie Tsai Nelson	蔡米惠
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海外青年文化大使	Pei-Ching Tai	戴珮青
	Peggy Chiu	邱佩冠
中華民國駐休士頓台北經濟文化辦事處科技組	Pin-Chuan Chen	陳品銓
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2026 SETS Conference Session Chairs

Environmental Protection Session	Edward T. Chen	陳天生
Accounting Session	Carol Chen	陳叢
Popular Science Session	Pei-Ching Tai	戴珮青
	Peggy Chiu	邱佩冠
Nano and Composite Technology Session	Howard Paul	浦浩德
	Cheng Yan	嚴成
Information Technology & AI Session	Stephen Huang	黃壽萱
Business Management Session	Lisa Sun	孫玉玟
Health Session	Jean W. Lin	林琬真
Young Professionals Networking Session	Amy Ku	辜千慈

美南國建協進會
The Association of Chinese American Professionals Fact Sheet

ACAP is an association of Chinese American professionals with a wide variety of expertise including engineering, science, health care, business, humanity, and arts and culture. Founded in 1978, and currently with a total membership of approximately 300, the ACAP recruits its members from, but not limited to, the states of Texas, Louisiana, Mississippi, Arkansas and Oklahoma.

In 2001, the ACAP, in collaboration with JPMorgan Chase, Shell Oil Company and Marathon Oil Company, organized the inaugural Diversity Summit annual conference. This annual conference has since gained wider support and attendance from other major corporations and organizations in the greater Houston area with an attendance over 300 people.

As a non-profit organization, the ACAP strives to foster the professional development and fellowship among its members, to facilitate the development of leadership skills of Chinese Americans professionals, and to address various issues that Chinese American professionals faced in the workplace.

In order to encourage professional advancement of the members, the ACAP regularly hosts technical seminars and workshops with various professional disciplines throughout the year. The flagship activity is the Science, Engineering and Technology Seminars (SETS) held in Houston in the spring/ summer of each year. SETS usually draw 200 to 300 participants. These seminars, workshops and conferences are multidisciplinary, and often involve guest speakers from other states and foreign countries.

THE ASSOCIATION OF CHINESE AMERICAN PROFESSIONALS (ACAP)
10303 Westoffice Drive Box 194, Houston, Texas 77042
https://www.acap-usa.org

MEMBERSHIP APPLICATION FORM

Name: Mr./Mrs./Ms./Dr. _____ (Chinese) _____
Last First Middle

Spouse:_____(Chinese)_____ ACAP Member: _____ Yes _____ No

Mailing Address: _____Home or _____ Business _____

_____

Phone: Home_____ Work_____ Fax: Home _____ Work_____

E-mail: Home _____ Work _____

Education: Degree University/Institute Major Field

_____ _____ _____

_____ _____ _____

Currently enrolled at (University): _____ Expected Degree/Date:_____

Employer: _____

Other Chinese Society Membership: _____

Division Preference (Please Check):

____ Architecture Engineering	_____ Education	____ Law	____ Polymer symposium
____ Biomedical Science	_____ Electrical Engineering	____ Literature and Art	____ Political Science
____ Business	_____ Environmental	____ Mechanical Engineering	____ Social Science
____ Chemical Technology	_____ Industrial Engineering	____ Medical & Health Science	____ Space Technology
____ Civil Engineering	_____ Information Technology	____ Petroleum Technology	____ (Other) _____

Field of Specialization: _____

Membership Type and Fee (Please Check One):
_____ Life Member - $200 (one-time payment)
_____ Regular Member - $50/annual (January through December)
_____ Student Member - $15/annual (January through December)

ACAP Function and Program Interests:
____Continuing Education____ Budget and Finance ____ Fund Raising ____ Membership Drive ____ Mentoring
____Newsletter ____ Public Relations ____ Student Liaison ____(Others)_____

Comments/Suggestions: _____

Member Signature: _____ Date: _____

Make check payable to: ACAP

Mail to: ACAP
10303 Westoffice Drive, Mail Stop 194
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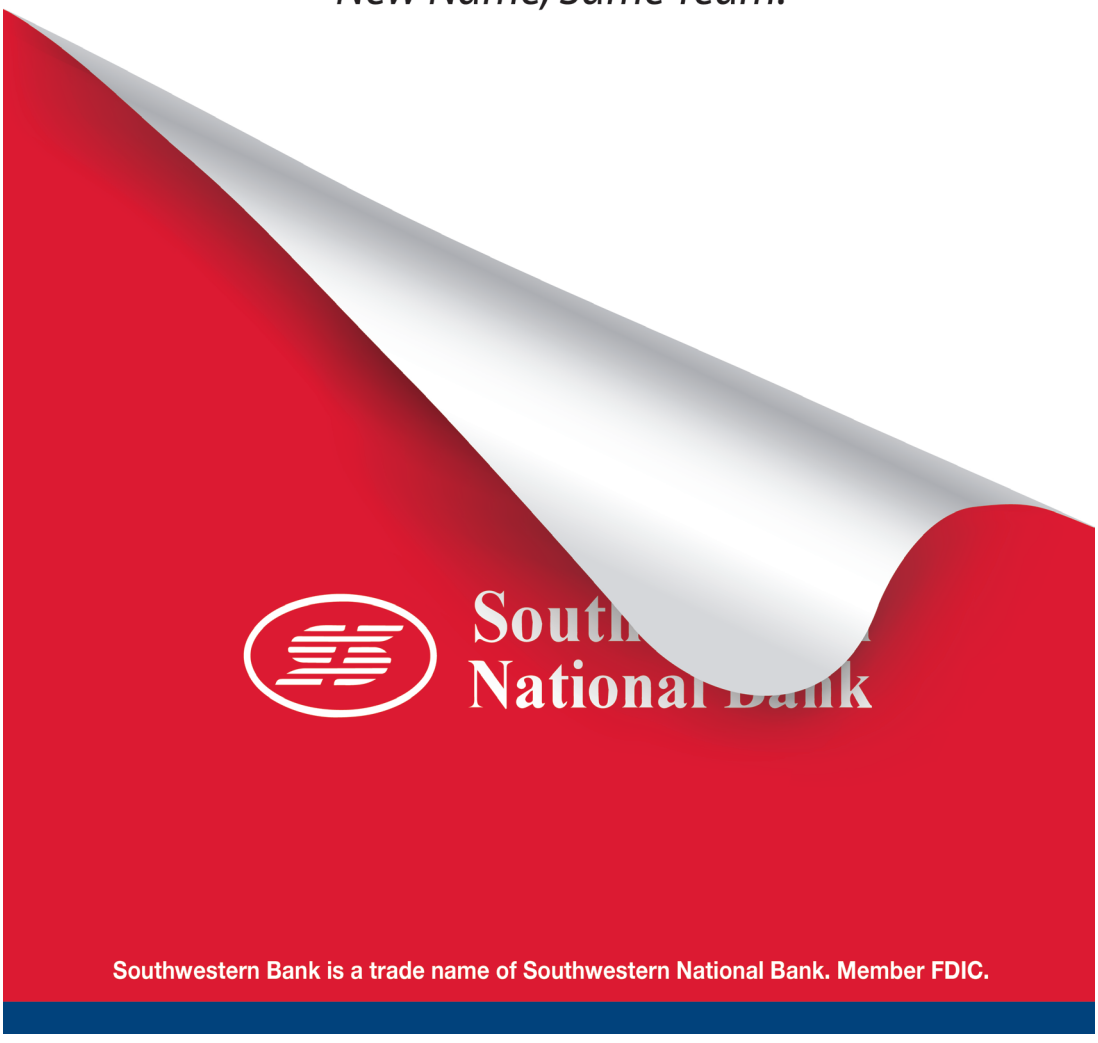

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OVERSEAS COMMUNITY AFFAIRS COUNCIL
REPUBLIC OF CHINA (TAIWAN)

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- ✓鼓勵僑社青年返臺研習
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(總機值機時間:休士頓時間為週二至週日上午9時30分至下午5時30分)
(倘網路無法連線，請電文教中心總機+1-713-789-4995)

中華民國僑務委員會

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NOTES

INNOVATING
A BETTER FUTURE

Smart Living

Digital transformation has become a driving force for global economic innovation. With the prevalence of IoT and AI, people are seeking a faster, easier, and smarter life with the introduction of intelligent devices/services and new business models. Therefore ITRI is developing personalized devices and services, autonomous mobility systems, and smart industries and services for the Smart Living domain. ITRI is also working on human-machine interaction, enhanced imaging and perception systems, autonomous decision-making and control, and smart business technologies and services.

Quality Health

As many countries are moving towards hyper-aged societies, demands for medical personnel and healthcare resources are increasing. New business opportunities in the emerging diagnosis and treatment market are also created through integrated solutions that include smart long-term care systems, personalized/precision medicine, and healthcare models. In the domain of Quality Health, ITRI leverages Taiwan's strengths in ICT and medical care systems to develop smart medical and healthcare technologies. The R&D scope includes smart medical electronics, regenerative medicine, wearable devices, digital healthcare services, and many more.

Sustainable Environment

Due to the current climate change, greenhouse effects, and limited energy sources and resources, how to coexist with Mother Nature has become an important issue when developing new technologies. A sustainable environment can be maintained by creating a circular ecosystem, cutting down time and energy consuming production processes, and discovering green energy sources. ITRI is thereby enhancing the technology development in the circular economy, smart manufacturing, and green energy and environment fields by exploring high-value circular materials, smart manufacturing systems, and supply chain management to achieve ecological symbiosis.

Intelligentization Enabling Technology

Intelligentization enabling technology is the backbone supporting multiple applications in the 2030 Technology Strategy and Roadmap. As a result, ITRI turns to AI, semiconductor, communications, cybersecurity, and cloud technologies to foster technology breakthrough in the above three application domains. At the same time, Intelligentization enabling technology can ensure data privacy and information safety when combating cyber threats.

ITRI International Inc. (a subsidiary of ITRI) **San Jose, CA, USA. Web:** www.itri.org.tw **Email:** info@itri.com

2026 Science, Engineering and Technology Seminars (SETS)

二零二六年科學工程技術研討會

ACAP

TAIWAN
REPUBLIC OF CHINA

Taipei Economic and Cultural Office in Houston

駐休士頓台北經濟文化辦事處

NSTC 國家科學及技術委員會
National Science and Technology Council

駐休士頓辦事處科技組
Science and Technology Division, Taipei Economic & Cultural Office in Houston

中華民國僑務委員會
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THE JOINT CHINESE COLLEGE ALUMNI ASSOCIATION
JCCAA