

美南國建協進會
Association of Chinese
American Professionals
2018



Annual Conference and
Science, Engineering and Technology Seminars (SETS)
二零一八年年會暨科學工程技術研討會

Preliminary Program
預定議程

Theme:
**Artificial Intelligence Technology, Energy, Environmental
Nano and Composite Technology, Downstream
Offshore Technology, Biomedical, Health
Accounting and Business Management**

會議主題：
人工智慧科技、能源、環境保護
奈米及複合科技、煉油與石化科技、海洋科技
醫療及生化科技、健康、會計與商業管理

協辦：
駐休士頓台北經濟文化辦事處科技組
世界華人工商婦女企管協會美南分會
德州台灣生物科技協會
休市華美會計師協會
美國華人石油協會

年會贊助：
Lovett Home
中華民國科技部
STOA Architects
中華民國僑務委員會
Shell, Opicoil Houston, Inc.
Geotest, Foxconn 鴻海科技公司
Formosa Plastics Corporation 台塑
ITRI International 工業技術研究院北美公司
中華民國駐休士頓台北經濟文化辦事處

Saturday, June 9, 2018

Sugar Land Marriott Hotel
16090 City Walk, Sugar Land, TX 77479
For more information or to register: <http://www.acap-usa.org>



9:00 am - Energy Session 能源討論會
11:50 am 美國華人石油協會 (CAPA) 協辦

Co-Chairs: Po-Ching Tai (戴柏青), Ph.D., ExxonMobil
Kuochen Tsai (蔡國楨), Ph.D., Shell International E&P

Speaker: Xin-Gong Li (李新功), Shell (Formerly)

Topic: Big Data around Houston - Opportunities and Challenges

Speaker: Ligang (Larry) Lu (陸立綱), Ph.D., Shell International E&P

Topic: Machine Learning for Unconventional Oil and Gas Exploration

Speaker: Youli Mao (毛有力), Ph.D., Halliburton

Topic: Sequence Mining and Pattern Analysis in Drilling Reports with Deep Natural Language Processing

Speaker: Chin-Cheng Lin (林志成), Ph.D., Shell International E&P

Topic: Appomattox Project: One of the First Subsea HPHT Projects in the Gulf of Mexico

Speaker: Chingwen Chen (陳靖雯), Ph.D., Geophysical Insights

Topic: Multi-Seismic Attribute Analysis with Machine Learning: An unsupervised Approach

9:00 am - Environmental Protection Session

5:00 pm 環境保護討論會

Chair: Edward T. Chen (陳天生), President, Chinese American Society of Environmental Protection & Safety, Houston, Texas

Speaker: Jui-Ling Chen, Former Director General of Architecture and Building Research Institute, Ministry of the Interior, Taiwan, ROC

Topic: Challenges for Our Living Environment – Green Building Promoting Policy Experiences and Prospective in Taiwan

Speaker: Chilin Cheng, President, Chinese American Environmental Professionals Association (CAEPA-Taipei)

Topic: Recent Advances in Green Construction Materials for Green Building in Taiwan

Speaker: Chi-Chung Chang, Ph.D., Principal Consultant, CPD Consultants, Houston, Texas, Adjunct Faculty, University of Houston

Topic: How We Prepared for the Impacts of Global Climate Changes - The 2017 Hurricane Season in U.S.

Speaker: Michael Liu, President, American P & G Corp., Houston, Texas
Topic: Organic Waste Treatment Technology

Speaker: Ying-Jen Chou, Ph.D., CEO/Chairman, America Greenland Sustainable Company, Taipei, Taiwan
Topic: Waste Ash to Cement Technology

Speaker: Edward Chen, President, Chinese American Society of Environmental Protection & Safety, Houston, Texas
Topic: The Trends of Municipal Solid Waste Classification and Recycling/Disposal Technologies in the United States, and How Houston's Living Waste Classification, Recycling and Disposal Works

Speaker: Keng-Chang (Jeff) Tu, Ph.D., (IVT)/QA Division/ Director, National Chung-Hsing University, Taiwan
Topic: Color Transform Based Texture Enhancement Scheme

8:30 am - 11:50 am Nano & Composite Technology Session
奈米及複合科技

Co-Chairs: Howard Paul (浦浩德), Ph.D., ACAP Former President
Guoqiang Li (李國強), Ph.D., Professor, Louisiana State University (LSU)

Speaker: Howard Paul (浦浩德), Ph.D., Engineering Manager, America P&G Corp.
Topic: New Nano-Additives Produced and Utilized as a Process Drop-in Technology to Upgrade Commercial Polyolefins (納米新添加劑的生產和應用在科技升級企業的塑料產品)

Speaker: Lu Lu (盧璐), Ph.D., Chief Chemist, Louisiana Multi-functional-materials Group LLC
Guoqiang Li (李國強), Ph.D., Professor, LSU
Topic: Intrinsic healable and recyclable epoxy thermoset (可固化和可回收的環氧熱固樹脂)

Speaker: Dr. M.A. Wahab^{1*}, M.W. Dewan², D.J. Huggett²,
¹Department of Mechanical & Industrial Engineering, Louisiana State University, LA
²Ex-Graduate students, Department of Mechanical & Industrial Engineering, Louisiana State University
Topic: Challenges in Defects Detection in Friction-Stir-Welding (FSW) (摩擦攪拌焊接的缺陷檢測挑戰)

Speaker: Ang Li (李昂), Ph.D. & Guoqiang Li (李國強), Ph.D., Department of Mechanical & Industrial Engineering, LSU

Topic: Facile UV-Curing of a High-Performance and Recyclable Thermoset Shape Memory Polymer with High Stress Output (簡易 UV 固化的高性能和可回收熱固形狀記憶聚合物具有高應力輸出)

Speaker: **Cheng Yan (嚴成), Ph.D. & Guoqiang Li (李國強), Ph.D., Department of Mechanical & Industrial Engineering, LSU**

Topic: A Finite element model for lattice structure of shape memory polymer (有限元模型具有晶格結構形狀的記憶聚合物)

Speaker: **Jizhou Fan (范濟舟), Ph.D. & Guoqiang Li (李國強), Ph.D., Professor, Department of Mechanical & Industrial Engineering, LSU**

Topic: High enthalpy storage thermoset network with giant stress and energy output in rubbery state (高焓儲存熱固性網絡的巨大應力和高能量輸出在橡膠狀態)

*** Earn up to 4 hours of Professional Development Hours (PDH) by attending this session. Certificate will be issued after conference per request.**
(賺取 4 PDHs, 根據要求會議後發出證書)

9:00 am - 11:50 am	CPA - Financial Management Session 專業會計師-財務管理講座 休士頓華人會計師協會 (HSCACPAs) 協辦
Co-Chairs:	Ya-Ling Chuang (莊雅玲), CPA, VP/Accounting Manager, Golden Bank (金城銀行) Annie Hung (洪雅妮), Managing Director, Deloitte Tax LLP Houston
Theme: 主題 :	Hot Topics in Tax and Investments 稅務和投資的熱門話題

Speaker: **Daniel Castillo, CPA, JD, MBA, Partner, CMCD, LLC**
Topic: Aspects of International Tax Law

Speakers: **Christina Doherty, Tax Manager, Deloitte Tax LLP**
Topic: Tax Controversy Basics

Speakers: **Christina Gong, Senior Manager, Deloitte Tax LLP**
Topic: Taxation in an increased digital world

Speakers: **Bob Lamb CFP®, Office Director, BKD Wealth Advisors, LLC**
Topic: Investment and Economic Update with Practical Application

*** 依照美國會計師協會之規定，會計師執照持有人每年需進修若干小時。本課程合乎美國會計師協會之規定，可算五小時進修學時。**

***(Sign in, Sign out, and completed evaluation forms are required for 5 CPE hours)**

9:00 am - Downstream Session

11:50 am 煉油與石化科技討論會

Chair: Leif Hsieh (謝元傑), P.E., Principle Process Engineer, TechnipFMC

Speaker: TBD

Topic: TBD

9:00 am - Student Research Poster Contest

12:00 pm Foxconn and Lovett Home Scholarship Program

駐休士頓台北經濟文化辦事處教育組 協辦

Chair: Shian-uei Hwu (胡先葳), Ph.D., NASA/Barrios Technology

We will select 8 papers. \$400, \$300 and \$200 price respectively will be awarded to 1st, 2nd and 3rd winning paper. All the other participants will be awarded \$100. Posters will remain technical. The presentation will be more general and the time will be shortened.

Noon - Luncheon and Keynote Address

2:15 pm 午餐及專題演講

Master of Ceremonies: Eddy Lee (李怡德), Ph.D., ACAP President-Elect

Lunch

Introduction: Chuping Huang (黃初平), Ph.D., ACAP President

Keynote Speech:

Speaker: HT Kung (孔祥重教授), Ph.D., William H. Gates Professor of Computer Science and Electrical Engineering at Harvard University

**Topic: Devices, AI and Blockchains
(電子設備、人工智慧和區塊鏈)**

Achievement and Service Awards

Student Poster Contest Awards

2:30 pm - Artificial Intelligence Technology Symposium

5:30 pm 人工智慧科技討論會

**Chair: Stephen Huang (黃壽萱教授), Ph.D.
Professor of Department of Computer Science, University of Houston**

Speaker: HT Kung (孔祥重教授), Ph.D., William H. Gates Professor of Computer Science and Electrical Engineering at Harvard University

**Topic: Devices, AI and Blockchains
(電子設備、人工智慧和區塊鏈)**

Speaker: Tony Hung, M.D. (洪光威醫師), 秀傳醫療體系彰濱院區醫療副院長

**Topic: AI Applications in medicine: Big Data Analysis of CAD
(從冠心病的大數據分析看人工智慧在醫學上的應用)**

Speaker: Morris Ho (何宜龍), Deputy Director, Optical Module Division, Applied Optoelectronics, Inc. (AOI)

Topic: Hardware that is enabler of AI - Cloud Service, Data Center, and Optical Communication (人工智慧的硬體推手：雲端服務、數據中心、光學通訊)

2:30 pm – Offshore Technology Session

5:30 pm 海洋科技研討會

**Chair: Eric Chang (張書豪博士), Ph.D., P.E.
Senior Engineer of MCT Engineering, Inc., Houston, TX**

Speaker: Albert Ku (顧寶鼎博士), Ph.D., P.E., IntelliSIM

**Topic: Recent Development of Offshore Wind Energy in Taiwan
(台灣離岸風電發展近況)**

Speaker: Warren Kuo (郭原宏), P.E. & MBA, President, MCT Engineering, Inc.

**Topic: Offshore Wind Energy EPCI
(離岸風電的統包工程)**

Speaker: Eric Chang (張書豪博士), Ph.D., P.E., Senior Engineer, MCT Engineering, Inc.

**Topic: A Methodology for Offshore Wind Turbine Structural Analysis
(離岸風機結構分析方法)**

2:30 pm - Biomedical Session 生物醫學講座
5:30 pm Texas Taiwanese Biotechnology Association
德州台灣生技協會 協辦

Co-Chairs: Huan-Chang Zeng (曾煥昌), Ph.D., Baylor College of Medicine
Yi-Ting Chen (陳宜婷), Ph.D. Candidate, Baylor College of Medicine

Speaker: Shu-Hsia Chen (陳淑霞), Ph.D., Director at Center for Immunotherapy Research, Houston Methodist

Topic: Let's Talk Cancer Treatment from Bench---
State-of-the-art development of cancer immunotherapy

Speaker: Shuo-Hsiu "James" Chang (張碩修), PT, Ph.D., Assistant Professor at the University of Texas Health Science Center at Houston

Topic: Have a Glimpse at Clinical Bedside---
Neuromuscular plasticity and the challenge in developing effective intervention on paralyzed patients

Speaker: Cheng-Chiu Huang (黃正球), Ph.D., Senior Scientist at Merck

Topic: Current Trends and Opportunities in Biomedical Industry---
How to prepare yourself for an industrial career

Speaker: Xin Liu (劉昕), Ph.D., Associate Medical Writer at prIME Oncology

Topic: Put Down Your Pipettes and Grab a Pen---
Translation of cutting-edge science to articles

2:30 pm - Health Session
5:30 pm 健康講座

Co-Chairs: Karl K. Chen, M.D., Ph.D. (陳康元醫師)
Grace L Chen, Ph.D., R.N. (陳王琳博士)

Theme: Healthy Living Strategies for Asians in North America
主題: 北美亞裔健康需知

Speaker: Hue-Teh Shih, M.D., M.P.H. (施惠德醫師),
Cardiology Specialist at Center for Cardiac Arrhythmia, Houston, Texas

Topic: Food Safety (食品安全)

Speaker: Putao Cen, M.D. (岑瀑濤醫師)
Medical Oncologist at University of Texas Memorial Hermann Hospital TMC

Topic: Gastroesophageal Cancer and Colorectal Cancer prevention and curative treatment strategy (胃食管癌和結直腸癌的預防和治愈性治療策略)

Speaker: Karl K. Chen, M.D., Ph.D., (陳康元醫師)
Topic: Gastro-Intestinal Health Promotion and Cancer Prevention
(腸胃道保健: 免疫、增智、又抗癌)

2:30pm – Business Management Session 商業管理
5:30pm Global Federation of Chinese Business Women in Southern USA
世界華人工商婦女企管協會美南分會 協辦
Chair: Julie Lin (羅秀娟), President
Theme: Living Strategies for Asian in North America
主題: 北美亞裔生活觀

Speaker: Melody Lin (林美絢心理輔導師), LCSW (Licensed Clinical Social Worker)
Topic: The Heartache Nobody Sees
(沒有人看見的心痛)

Speaker: Tang Ho M.D. M. Sc., F.A.C.S. (侯大任醫師)
Topic: Advancements in Facial Rejuvenation
(要你好看)

7:00 pm – ACAP 40th Anniversary Banquet
9:00 pm 美南國建協進會四十周年晚宴

2018 Science, Engineering and Technology Seminar (SETS) June 9, 2018 Conference Registration Form

Name: _____
Last First (Chinese Name)

Company/School: _____

Address: _____

Phone: _____ Fax: _____ E-Mail: _____

Please indicate below which sessions you plan to attend (check as many as you want):

Morning Sessions:

- CPA - Financial Management
 Downstream Technology
 Energy Session
 Environmental Protection
 Nano & Composite Technology
 Student Research Poster Contest

Afternoon Sessions:

- Artificial Intelligence Technology
 Biomedical Session
 Business Management
 Environmental Protection
 Health Session
 Offshore Technology

Registration Fees (Please check all appropriate fees and write total amount at bottom)

Note: Seating for lunch and banquet is not guaranteed for on-site registration

Category	Advanced Registration	On-Site Registration
<input type="checkbox"/> ACAP Member and Other Collaborating Organization Member (all sessions and lunch)	<input type="checkbox"/> \$50	<input type="checkbox"/> \$65
<input type="checkbox"/> Non-Member (all sessions and lunch)	<input type="checkbox"/> \$55	<input type="checkbox"/> \$70
<input type="checkbox"/> Student Member (all sessions and lunch)	<input type="checkbox"/> \$35	<input type="checkbox"/> \$50
<input type="checkbox"/> Member and Student ---- Sessions Only	<input type="checkbox"/> \$10	<input type="checkbox"/> \$20
<input type="checkbox"/> Non-Member ---- Sessions Only	<input type="checkbox"/> \$20	<input type="checkbox"/> \$30
<input type="checkbox"/> ACAP Annual Student Membership Renew	<input type="checkbox"/> \$5	<input type="checkbox"/> \$5
<input type="checkbox"/> ACAP Annual Regular Membership Renew	<input type="checkbox"/> \$30	<input type="checkbox"/> \$30
<input type="checkbox"/> ACAP Lifetime Membership Fee	<input type="checkbox"/> \$200	<input type="checkbox"/> \$200
<input type="checkbox"/> Conference Sponsorship	<input type="checkbox"/> \$___	<input type="checkbox"/> \$___
<input type="checkbox"/> Evening Banquet - ACAP 2018 Active Member	<input type="checkbox"/> \$0	<input type="checkbox"/> \$20
<input type="checkbox"/> Evening Banquet - ACAP Active MB Spouse and Student	<input type="checkbox"/> \$30	<input type="checkbox"/> \$50
<input type="checkbox"/> Evening Banquet - Non-Member/Others	<input type="checkbox"/> \$50	<input type="checkbox"/> \$70
TOTAL	\$	\$

Please make check payable to **ACAP** prior to **May 31, 2018** and mail to:

Hsin-Hui Lin, ACAP Conference Registrar
 25606 Sundance Hollow Ct., Katy, Texas 77494

Online registration is available at: <http://www.acap-usa.org>