COMPSAC
2015

July 1-5
Tunghai University, Taiwan

CONFERENCE PROGRAM
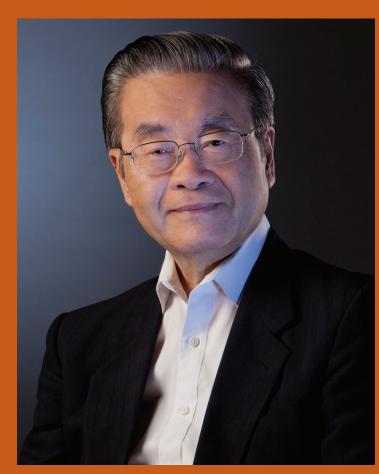(PRELIMINARY, SUBJECT TO CHANGE)

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PROGRAM AT A GLANCE - WEDNESDAY JULY 1

9:00 - 10:30	KEYNOTE: Mikio Aoyama, Nanzan University, Japan *Software Engineering for the Connected Automobiles: Opportunities and Challenges* Location: Mao-Bang Hall (base floor) Session Chair: Tsang Ming Jiang, Ericsson, USA						
10:30 - 11:00	TEA BREAK						
ROOM/TIME	H103	H104	H105	H106	H123	H205	H206
11:00 - 12:30	SETA 1	MOWU 1	SEPT 1	NATA 1	ITiP 1	STPSA 1	UCDAS 1
12:30 - 13:30	LUNCH BREAK						
13:30 - 15:00	SETA 2	MOWU 2	SEPT 2	NATA 2	ITiP 2	STPSA 2	UCDAS 2
15:00 - 15:30	TEA BREAK						
15:30 - 17:00	SETA 3	MOWU 3	SEPT 3	NATA 3	ITiP 3	SAPSE	
17:30 - 20:00	WELCOME RECEPTION Location: Humanities Building						

PROGRAM AT A GLANCE - THURSDAY JULY 2

9:00 - 9:30	OPENING WELCOME SESSION - Mao Bang Hall (base floor) Remarks by: Tom Conte, 2015 IEEE Computer Society President Ming-Jer Tang, President, Tunghai University Chang San-Cheng, Vice Premier, Executive Yuan, Taiwan Chia-Lung Lin, Mayor of Taichung City, Taiwan Carl K. Chang, IEEE COMPSAC Standing Committee Chair William Chu, IEEE COMPSAC 2015 Steering Committee Chair David Alan Grier, Sheikh Iqbal Ahamed, Shih-Chiin Lee, IEEE COMPSAC 2015 General Chairs Gang Huang, Ivica Crnkovic, Pao-Ann Hsiung, IEEE COMPSAC 2015 Program Chairs in Chief				
9:30 - 10:30	KEYNOTE: Yi-Bing Lin, Deputy Minister, Taiwan Ministry of Science & Technology and Former Vice President of National Chao Tung University, Taiwan *Big Data and Potential Traffic Information Applications* Location: Mao-Bang Hall (base floor)				
10:30 - 11:00	TEA BREAK				
ROOM/TIME	H103	H104	H105	H106	H122
11:00 - 12:30	SETA 4	MOWU 4	SEPT 4	NATA 4	CELT 1
12:30 - 18:00	Half-day Tour, Sun Moon Lake (lunch will be served on the bus) Departure from Tunghai University at 12:20 and 12:40				
18:00 - 20:30	COMPSAC 2015 BANQUET: Fleur de Chine Buses will depart to hotels and Tunghai Universit at 20:30				

PROGRAM AT A GLANCE: FRIDAY JULY 3

9:00 - 10:30	KEYNOTE: Tsugio Makimoto, Technovision, Japan *Chip Technologies as the Engine for IT Revolution* Session Chair: Sheikh Iqbal Ahamed, Marquette University, USA Location: Mao-Bang Hall (base floor)						
10:30 - 11:00	TEA BREAK						
ROOM/TIME	H103	H104	H105	H106	H122	H123	H205
11:00 - 12:30	SETA 5			ECPE 1	CELT 2 (panel)	TAIN 1	IWSC 1
12:30 - 13:30	LUNCH BREAK						
13:30 - 15:00	SETA 6	SETA 7	HUMA 1	ECPE 2	CELT 3	TAIN 2	IWSC 2
15:00 - 15:30	TEA BREAK						
15:30 - 17:00	SETA 8	SETA 9	HUMA 2	ECPE 3	CELT 4	TAIN 3	

PROGRAM AT A GLANCE: SATURDAY JULY 4

9:00 - 10:30	STEPHEN S. YAU ACADEMIC SYMPOSIUM: OPENING AND PLENARY PANEL *The Development and Challenge of Future Computing*							
10:30 - 11:00	TEA BREAK							
11:00 - 12:00	STEPHEN S. YAU ACADEMIC SYMPOSIUM: PLENARY PANEL *History of Modern Computing*							
12:00 - 13:00	LUNCH BREAK							
13:00 - 14:30	STEPHEN S. YAU ACADEMIC SYMPOSIUM: PLENARY PANEL *Rebooting Computing*							
ROOM/TIME		H103	H104	H105	H106	H204	H122	H123
14:30 - 16:00	S.S. YAU ACADEMIC SYMPOSIUM	SSERV 1	CFSE 1	STA 1	MidCCI	SSS MediComp	FA 1	FA2
16:00 - 16:30	TEA BREAK							
16:30 - 18:00	S.S. YAU ACADEMIC SYMPOSIUM	SSERV 2	CFSE 2	STA 2	NETSAP	ADMNET 1	FA 3	FA 4

PROGRAM AT A GLANCE: SUNDAY JULY 5

9:00 - 10:30	KEYNOTE: May D. Wang, Georgia Tech, USA Location: Mao-Bang Hall (base floor)								
10:30 - 11:00	TEA BREAK								
TIME/ROOM	H123	H104	H105	H106	H204	H103	H206	H207	H205
11:00 - 12:30	WEDA 1	QUORS	MVDA 1		BIOT 1	DSA 1	ADMNET 2	CDS 1	
12:30 - 13:30	LUNCH BREAK								
13:30 - 15:00	WEDA 2	SIMICS	MVDA 2	ESAS 1	BIOT 2	DSA 2	ADMNET 3	CDS 2	SRS Poster area
15:00 - 15:30	TEA BREAK								
15:30 - 17:00			MVDA 3	ESAS 2	BIOT 3	DSA 3		CDS 3 / WDLAM	SRS Poster area
17:00 -18:00	COMPSAC 2016 Planning Meeting - Room H216								

Stephen S. Yau
Academic Symposium
July 4, 2015 (Location)

The year 2015 marks the 80th birthday of Dr. Stephen S. Yau, the founder of IEEE COMPSAC. The Steven S. Yau Academic Symposium is being held at COMSPAC 2015 in his honor. This special symposium will feature a number of panels and paper presentations that will remark upon the past and the future of computing, by speakers well known to computing researchers and practitioners from around the world, including:

- **Carl K. Chang**, Chair
  COMPSAC Standing Committee
- **C. L. Liu**, Academia Sinica, Taiwan, and
  Former President of Taiwan Tsinghua University
  (first appearance)
- **Richard Lee**, Former Senior Advisor to the
  President, Taiwan
- **Lin Yi-Bin**, Deputy Minister
  Taiwan Ministry of Science & Technology
- **Hong Mei**, Vice President
  Shanghai Jiao Tong University
- **Elisa Bertino**, Purdue University, USA
- **Fang-Ming Lu**, Vice Chairman
  Foxconn Electronics, Taiwan
- **Vladimir Getov**, University of Westminster, UK
- **John Gustafson**, CTO, Ceranovo Inc, USA
- **Mike Williams**, 2007 President
  IEEE Computer Society
- **Tom Conte**, 2015 President
  IEEE Computer Society
- **Jean-Luc Gaudiot**, University of California,
  Irivne, USA
- **Hironori Kasahara**, Waseda University, Japan

Dr. Stephen S. Yau

is the director of Information Assurance Center and Professor of Computer Science and Engineering at Arizona State University (ASU), Tempe, Arizona. He served as the chair of the Department of Computer Science and Engineering at ASU in 1994-2001. Previously, he was on the faculties of Northwestern University, Evanston, Illinois, and University of Florida, Gainesville. He served as the president of the Computer Society of the Institute of Electrical and Electronics Engineers (IEEE) and was on the IEEE Board of Directors, and the Board of Directors of Computing Research Association. He served as the editor-in-chief of IEEE COMPUTER magazine. He organized many major conferences, including the 1989 World Computer Congress sponsored by the International Federation for Information Processing (IFIP), and is the founder of the IEEE Annual International Computer Software and Applications Conference (COMPSAC) sponsored by IEEE Computer Society.

His current research includes service-based systems, cloud computing, cyber security, software engineering, mobile ad hoc networks and ubiquitous computing. He has received many awards and recognitions, including the Tsutomu Kanai Award and Richard E. Merwin Medal from the IEEE Computer Society, the IEEE Centennial Award and Third Millennium Medal, and the Overseas Outstanding Contributions Award from the Chinese Computer Federation. He is a Life Fellow of the IEEE and a Fellow of the American Association for the Advancement of Science. He received the Ph.D. degree from the University of Illinois, Urbana in electrical engineering.

9:00 - 9:30
Opening Remarks and Plenary Panel
The Development and Challenge of Future Computing
Panel Moderators: Ming-Jer Tang, President, Tunghai University; Chih C. Chao, Vice President, Tunghai University
Panelists:
- C.L. Liu, Academician, Academia Sinica, Taiwan and Former President of Taiwan Tsing Hua University
- Richard Lee, Former Senior Advisor of the President's Office of Taiwan
- Lin Yi-Bin, Deputy Minister, Taiwan Ministry of Science & Technology (MOST) and Former Vice President of National Chao Tung University, Taiwan
- Hong Mei, Vice President, Shanghai Jiao Tong University, China
- Elisa Bertino, Purdue University, USA
- Fang-Ming Lu, Vice Chairman, Foxconn Electronics, Inc., Taiwan

10:30 - 11:00: Tea Break

11:00 - 12:00
Plenary Panel
History of Modern Computing
Panel Moderator: Vladimir Getov, University of Westminster, UK
Panelists:
- John Gustafson, CTO, Ceranovo Inc., USA
- Mike Williams, Former President, IEEE Computer Society
- Hong Mei, Vice President, Shanghai Jiao Tong University, China

12:00 - 13:00: Lunch Break

13:00 - 14:30
Plenary Panel
Rebooting Computing
Moderated by Hsien-Hsin Sean Lee, TSMC
Panelists:
- Tom Conte, 2015 President, IEEE Computer Society
- John Gustafson, CTO, Ceranovo Inc., USA
- Jean-Luc Gaudiot, University of California, Irvine, USA
- Hironori Kasahara, Waseda University, Japan

14:30 - 16:00: Computing Frontiers 1 - paper presentations

16:00 - 16:30: Tea Break

16:30 - 18:00: Computing Frontiers 2 - paper presentations

18:00 - 18:30: Open floor tribute to Dr. Yau

18:30 - 19:00: Return bus to hotel