We would like to acknowledge and thank everyone for their participation in making this 3rd Annual Texas STEM Conference, a success.

A Very Special Thanks to:

ExxonMobil

for funding the conference!!

Individuals listed have provided invaluable guidance and support throughout the development of this conference. We sincerely appreciate their time and expertise.

Stacey Haynes, Web Communications
Susan Tribes, Academic Affairs
Lauren McGowan, Purchasing Department
Azadeh Semien & Chartwell’s Catering, Cardinal Catering
Susan Baertl, Convention & Visitor’s Bureau
Patti Owens & Holiday Inn Beaumont Plaza
Doug Mullins, Kirksey Sprint Printing

A special thank you to Jasmine Fields for all of your assistance, guidance & patience.

Enjoy the Conference!
Thanks,

Dr. Kumer P. Das, Director
The Office of Undergraduate Research

Nirmal Gope
Graduate Student Assistant

Antoinette A. Henry
Administrative Associate
Albert Mo Kim Cheng is a Full Professor and former interim Associate Chair of the Computer Science Department at the University of Houston (UH). His research interests center on the design, specification, modeling, scheduling, and formal verification of real-time, embedded, and cyber-physical systems, green/power/thermal-aware computing, software engineering, knowledge-based systems, and networking. He is the founding Director of the UH Real-Time Systems Laboratory. He received the B.A. with Highest Honors (summa cum laude) in Computer Science, graduating Phi Beta Kappa at age 19, the M.S. in Computer Science with a minor in Electrical Engineering at age 21, and the Ph.D. in Computer Science at age 25, all from The University of Texas at Austin, where he held a GTE Foundation Doctoral Fellowship. He has served as a technical consultant for a number of organizations, including IBM and Shell, and was also a Visiting Professor in the Departments of Computer Science at Rice University and at the City University of Hong Kong. He is a co-founder of ZapThru.com, where he is currently the Chief Strategy and Technology Director.

Dr. Cheng is the author/co-author of over 200 refereed publications in leading journals (including IEEE Transactions on Computers, IEEE Transactions on Software Engineering, and IEEE Transactions on Knowledge and Data Engineering) and top-tier conferences (including RTSS, RTAS, RTCSA, ICPADS, ISLPED, LCN, COMPSAC, PADS, IPPS, IPDPS, and ICPP), and has received numerous awards, including the U.S. National Science Foundation Research Initiation Award (now known as CAREER) and the Texas Advanced Research Program Grant (ranking 12th among 373 funded proposals). He has been invited to present seminars, tutorials, panel positions, and keynotes at over 100 conferences, universities, and organizations. He is and has been on the technical program committees (including several program chair positions) of over 250 conferences, symposia, workshops, and editorial boards (including the IEEE Transactions on Software Engineering 1998-2003 and the IEEE Transactions on Computers 2011-present). He is Guest Co-Editor of a 2013 Special Issue on Rigorous Modeling and Analysis of Cyber-Physical Systems of the IEEE Embedded Systems Letters, Guest Editor of a 2014-2015 Special Issue on Cyber-Physical Systems of SENSORS, and Guest Co-Editor of a 2015 Special Issue on Real-Time Scheduling on Heterogeneous Multi-core Processors of Microprocessors and Microsystems (MICPRO) - the Elsevier Embedded Hardware Design Journal. He has been the Program Co-Chair of the 2013 IEEE International Conference on Service Oriented Computing and Applications (SOCA) and Program Co-Chair of the System, Models and Algorithms Track of the 2014 IEEE International Conference on Embedded Software and Systems (ICESS). Currently, Dr. Cheng is organizing and chairing the First Workshop on Declarative Programming for Real-Time and Cyber-Physical Systems (DPRTCP) at the IEEE Real-Time Systems Symposium (RTSS), to be held in San Antonio, Texas, USA, December 1, 2015, as well as serving as the Program Chair of the International Symposium on Software Engineering and Applications (SEA), to be held in Marina del Rey, California, USA, October 26-28, 2015.

Dr. Cheng is the author of the popular textbook titled Real-Time Systems: Scheduling, Analysis, and Verification (Wiley); a Senior Member of the IEEE and an IEEE Fellow nominee (2015); an Honorary Member of the Institute for Systems and Technologies of Information, Control and Communication; and a Fellow of the Institute of Physics. His recent awards include the Outstanding Leadership Award as Track Chair and the Outstanding Leadership Award as Keynote Speaker at IEEE ICESS 2014, and the 2015 University of Houston’s Lifetime Faculty Award for Mentoring Undergraduate Research for his “Exceptional efforts in demonstrating a lasting commitment to undergraduate research.”