COLLEGE OF
ENGINEERING, ARCHITECTURE
AND TECHNOLOGY

2023 International Mechatronics Conference and Exposition

9/27-9/29/2023 (Pre-conference workshop on 9/27/2023)

This Mechatronics conference is motivated by the demand for a multi-disciplinary workforce in industry. The conference brings together academic professionals and industrial experts in mechatronics, robotics, and other electromechanical fields. It is designed to provide an opportunity to stay current in this rapidly growing field and to network with like-minded colleagues.

Geometric Dimensioning and Tolerancing (GD&T) Workshop
Presented by Dr. Chulho Yang

Call for Presentations

Presentation Submission Deadline: **June 30, 2023**
Presentation Acceptance and Rejection Notice: **July 31, 2023**

Use the QR code to register

ceat.okstate.edu/det/conferences/mechatronics-and-robotics.html

Prices

Early Bird Prices
Participant $325
Student $50

After July 1, 2023
Participant $375
Student $75

Vendor $625, includes two Registrations, vendor booth, one 6 ft. table, & two chairs

Conference sponsored by BOEING WEBCO INDUSTRIES

Location

Hamm Institute for American Energy

Sponsorships

Platinum $5000
2 Registrations, Promotional Material, Expo Reception & Overall Conference Sponsor, and a vendor booth & table.

Gold $3000
2 Registrations, Promotional Material, Lunch Presentation, and a vendor booth & table.

Silver $1500
2 Registrations, Promotional Material, Refreshment Break, and a vendor booth & table.

Copper $300
Promotional Material

Keynote Speakers

Ryan Britton
Boeing

Ryan Britton is Vice President of Bombers and Aircraft Modernization and Modification (AMM) as well as the senior site leader for Boeing Oklahoma City within Boeing Defense, Space and Security. He is responsible for technical, quality, cost and schedule performance of some of Boeing's most complex military derivative, modification and upgrade programs to include the B-1, B-2 and B-52 bombers, E-3 AWACS, international E-7 variants and ALCM. Britton joined The Boeing Company in August 2021 after serving 30 years in the United States Air Force.

Prior to Boeing, he held multiple senior positions acquiring, developing operating and sustaining vital aircraft and missile systems. Britton was the Air Force Program Executive Officer for Presidential & Executive Airlift, supporting the most senior leaders in the White House, Congress and Department of Defense. He served as the director of Global Reach and Global Power Programs, Office of the Assistant Secretary of the Air Force for Acquisition, Technology and Logistics, where he was responsible for the fighter, bomber, nuclear, weapons, mobility, special operations, trainer, and special mission aircraft portfolios. He also previously served as the Missile Defense Agency deputy director for Acquisition, the director of the ICBM Systems Directorate and deployed as the Liaison Officer to the Iraqi Minister of Defense in Baghdad.

Britton has been recognized as both the Office of the Secretary of Defense and the United States Air Force Program Manager of the Year as well as with the Air Force Association General Welch Award for the most significant impact to the Air Force nuclear mission. In addition to his Bachelor of Science degree in Electrical Engineering from the University of Memphis, Britton received a Master's of Science in Electrical Engineering and a Master's of Science in Systems Engineering from the Air Force Institute of Technology. He holds Department of Defense Acquisition Corps Level III certifications in Program Management and Systems Planning, Research, Development and Engineering-Systems Engineering. Britton is a member of the Air Force Association.

Junmin Wang, Ph.D.
UT Austin

Prof. Junmin Wang is the Lee Norris & Linda Steen Norris Endowed Professor in Mechanical Engineering at the University of Texas at Austin. In 2008, he started his academic career at Ohio State University where he was early promoted to Associate Professor in September 2013 and very early promoted to Full Professor in June 2016. In 2018, he left Ohio State and joined UT Austin as the Accenture Endowed Professor. He also gained five years of full-time industrial research experience at Southwest Research Institute (San Antonio Texas) from 2003 to 2008. Prof. Wang has a wide range of research interests covering control, modeling, estimation, optimization, and diagnosis of dynamical systems, especially for automotive, smart and sustainable mobility, human-centric automation, and cyber-physical system applications. Prof. Wang's research programs at UT-Austin and Ohio State University have been funded by federal agencies and industrial companies such as National Science Foundation (NSF), Office of Naval Research (ONR), Department of Energy (DOE), National Highway Traffic Safety Administration (NHTSA), Texas Department of Transportation, GM, Ford, Honda, Tenneco, Eaton, Ftech, Denso, and others. Dr. Wang is the author or co-author of more than 360 peer-reviewed publications including 184 journal articles and 13 U.S. patents. He is a recipient of numerous international and national honors and awards including 2019 IEEE Best Vehicular Electronics Paper Award, 2018 IEEE Andrew P. Sage Best Transactions Paper Award, 2017 IEEE Transactions on Fuzzy Systems Outstanding Paper Award, 2012 NSF-CAREER Award, 2011 SAE International Vincent Bendix Automotive Electronics Engineering Award, and 2009 ONR-YIP Award. He is an IEEE Vehicular Technology Society Distinguished Lecturer, SAE Fellow, and ASME Fellow.

Dr. Wang received the B.E. in Automotive Engineering and his first M.S. in Power Machinery and Engineering from the Tsinghua University, Beijing, China in 1997 and 2000, respectively, his second and third M.S. degrees in Electrical Engineering and Mechanical Engineering from the University of Minnesota, Twin Cities in 2003, and the Ph.D. degree in Mechanical Engineering from the University of Texas at Austin in 2007.