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Joint IT & SW

COST FORUM 2022

PROGRAM



WELCOME

Have you ever wanted to hear other program manager's experiences delivering applications using agile? Find out how cost analysis could help you manage an IT program? Build a network of peers across program management, technology, and cost analysis? Understand the cost and resource benefits and limitations of new, emerging development paradigms? If so, the Joint IT and Software Cost Forum is for you!

This joint forum is co-chaired and organized by the Department of Homeland Security (DHS), the National Geospatial-Intelligence Agency (NGA), the Air Force Cost Analysis Agency (AFCAA), the Missile Defense Agency's (MDA) Cost Estimating Directorate, the Office of the Assistant Secretary of the Army (Cost & Economics), and the U.S. Census Bureau's Office of Program Performance and Stakeholder Integration (PPSI).

Our forum's mission is to build coalitions across Federal agencies, academia, and industry by bringing together program managers, technologists, and cost analysts by sharing successes, challenges, and best practices to solve information technology, software, and cost estimating challenges.

Thank you for joining us this year! And a very special thank you to all our speakers! We hope the next few days is a unique and rewarding experience that helps you meet all your business, educational, and networking objectives.

Sincerely,

JITSWCF 2022 Event Committee

AGENDA

TUESDAY, September 13, 2022

9:00-10:00 a.m. KEYNOTE: NGA's Acquisition Approach and the Future of the Workplace
Tonya Crawford

10:15-11:00 a.m. Let's Go Agile: Data-Driven Agile Software Cost and Schedule Models for DHS Projects
Dr. Wilson Rosa
Sara Jardine

11:15-12:00 p.m. Empowering Sustainment Through the Use of a Multi-schema Database Structure
Daniel Germony
LTC Daniel Summers

12:00-1:00 p.m. | Lunch

1:00-1:45 p.m. Fireside Chat; Whitman & Bach
Zach Whitman
Dr. Stephen Bach

2:00-2:45 p.m. Costing Cybersecurity in Acquisition Programs
Alex Hoover
Grace Shin

3:00-3:45 p.m. Estimating the Cost of Legacy Migration to the Cloud
Vinny Papia

AGENDA

WEDNESDAY, September 14, 2022

9:00-10:00 a.m. KEYNOTE: Building Diverse Teams
Mark Brown

10:15-11:00 a.m. Comprehensive Estimation: Function Points, SNAP and COCOMO®
Brad Clark

11:15-12:00 p.m. Good Decisions, Bad Outcomes
Dr. Ricardo Valerdi

12:00-1:00 p.m. | Lunch

1:00-1:45 p.m. History Repeats Itself: A New Revolution of Factories... Software!

Katherine Bradshaw

2:00-2:45 p.m. Estimating the Cost of Cloud Transition

Richard Mabe

3:00-3:45 p.m. GAO DoD IT Quicklook

Michael Holland

Tyler Mountjoy

AGENDA

THURSDAY, September 15, 2022

9:00-10:00 a.m. Requirements-based Cloud Cost Estimating and Optimization

Alex Wekluk

RJ Krempasky

Ken Rhodes

10:15-11:00 a.m. Data-driven IT Service Chargeback Modeling

Alex Thibault

11:15-12:00 p.m. Honoring the Legacy of Barry Boehm

University of Southern California Distinguished Professor of Computer Science, Industrial and Systems Engineering, and Astronautics; the TRW Professor of Software Engineering; and Founding Director of the USC Center for Systems and Software Engineering (USC CSSE)

Dan Strickland

Brad Clark

12:00-1:00 p.m. | Lunch

1:00-1:45 p.m. Cost of Ethical Data Choices

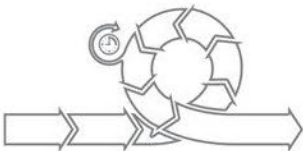
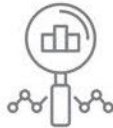
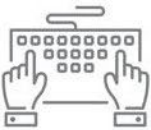
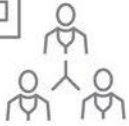
John "Major" Nelson

2:00-2:45 p.m. Software Licenses: A Bill You Can't Pay?

Cheryl Jones

3:00-3:45 p.m. Bridging the Gap: Leveraging Micro Agile Data in Macro Planning Estimates

Peter Braxton



KEYNOTE BIOGRAPHIES

Tonya Crawford

Deputy Director of NGA CIO-T

As deputy director of CIO-T, Ms. Crawford collaborates with NGA's chief information officer and CIO-T director to lead NGA's IT development, governance, policy, acquisitions and operations. She oversees a multi-billion dollar IT portfolio and leads a workforce of approximately 7,000 government, contractor and military personnel across multiple NGA mission locations.

Previously, she was CIO-T's director, Business Operations, where she managed the planning, programming, budgeting and execution of NGA's annual IT investments.

She also served for many years in the Acquisition Contracts Office, culminating in her position as director of NGA Acquisition Contracts, which included serving as the Agency's senior procurement executive (SPE) and head of the contracting activity (HCA). She also served as director, IT Career Service (HD Directorate) and associate deputy chief information officer for IC Information Technology Environment (IC ITE) Transition (OCIO).

Ms. Crawford joined NGA in October 1997 and was appointed to the Defense Intelligence Senior Executive Service in August 2011. Ms. Crawford has served at multiple commands and agencies within the DOD and IC throughout her career.

She received her Bachelor of Science degree in legal studies from the United States Air Force Academy. She received her Master of Science degree in management/information systems from the Florida Institute of Technology. She has a Level III Defense Acquisition Workforce Improvement Act (DAWIA) certification in contracting, and she is a member of the Defense Acquisition Corp.



KEYNOTE BIOGRAPHIES

Mark Brown

Executive Director, Student Freedom Initiative

Major General (Retired) Mark Anthony Brown was recently selected as the Executive Director of the Student Freedom Initiative based in Washington DC. Prior to his current post, General Brown was appointed by the Secretary of Education as the 11th Chief Operating Officer (COO) of the Department of Education Office of Financial Student Aid. The Office of Federal Student Aid services 600,000 students, has a total lending portfolio of \$1.7 trillion and 6,000 partner institutions around the country. As the COO, General Brown had statutory authority for all the nation's Title IV funding. In addition, the lending portfolio of Federal Student Aid is equivalent to that of the nation's 5 largest consumer lending banks.

Prior to entering civilian life, General Brown served for 32 years as an Active-Duty Air Force Officer retiring in 2018 at the grade of Major General. The General was commissioned through the Air Force ROTC Program, Detachment 015

Tuskegee University, Tuskegee, Alabama. He entered active duty in 1986 as a Financial Management officer. He has served in comptroller, command, and staff positions at all levels of the Department of Defense, including two assignments as a congressional liaison to the United States House of Representatives. His global experience includes serving in the Philippines, Spain, England, Turkey and Iraq. He has commanded four times at ascending levels, deployed in support of operation Provide Comfort, served as the Assistant Executive Officer for the 17th Air Force Chief of Staff, was the Financial Management, Senior Military Assistant in the Office of the Secretary of Defense, and Chief Financial Officer for Air Force Materiel Command, responsible for a portfolio greater than \$60 billion which at the time was 38 percent of the Air Force budget.



To register for the event and to learn more about each session, visit the [JITSWCF event landing page!](#)