

Welcome Message

It is our great pleasure to welcome you to IEEE MILCOM 2023, the premier international conference bringing together thought leaders and professionals from government, industry, and academia, to address unique challenges in military communications.

Celebrating the 41st year anniversary of MILCOM, MILCOM 2023's theme is "*Communications Supporting Military Operations in a Contested Environment*", building technology pillars in secure communications, resilient networks, multi-domain operations, cyber security, and machine learning. The general forum is open to all participants. The Restricted-Access Program includes Controlled Unclassified Information (CUI) materials in addition to a Classified Program for content up to Top Secret/Sensitive Compartmented Information (TS/SCI).

The IEEE MILCOM 2023 organizing committee has put together an outstanding program. The unclassified portion of the conference also features keynotes and VIP panels with prominent speakers from government, industry, and non-profit organizations, as well as vendor exhibitions. The unclassified program has 110 peer-reviewed and accepted papers presented in 28 sessions across 5 technical tracks. In addition, there are 12 tutorials, 7 technical panels, and 10 workshops. This year, MILCOM has added demonstration sessions to allow attendees to see firsthand some of the latest developments for the industry. All accepted papers will be published in IEEE Xplore.

The restricted-access program consists of 4 paper presentation sessions, and 4 technical panels. The classified program consists of one full day of keynotes and panels.

We would like to thank the United States Department of Defense for authorizing the restricted and classified portions of MILCOM program. We can hold such meetings only for a Governmental purpose. It is because of this authorization that MILCOM can fulfill a special niche among conferences.

The MILCOM conference is the result of the dedication and hard work of many volunteers on our organizing committee. We would like to thank our technical program chairs, John Treichler and Sennur Ulukus; unclassified program chairs, Kaushik Chowdhury and Paul Yu; restricted-access program chairs, Eric Burger and Timothy Lee; classified program chair Bryan Cooley; panel program chairs, Bonnie Gorsic and Kevin Chan; tutorial chairs Bharat Doshi, Chris Headley and Chris Reed; workshop program chair, Niranjan Suri; student travel grant chair, Neda Moghim; EDAS chair Debashri Roy, demonstrations chairs Aloizio DaSilva and Amr Haj-Omar, operation chairs, Kristine Chin and Melissa Torres. We are deeply grateful to all authors who submitted their latest research to the conference, and to track chairs, session chairs, and reviewers who spent tremendous time during the review process. Finally, we would like to thank Vincent Chan and the MILCOM Conference Steering Committee chaired by Tom MacDonald for their encouraging guidance and constant support.

Lastly, a hearty "thank you" to the patrons for their trust and generous support. Their contributions are a strong demonstration of the value MILCOM brings to the government, industry, and academia community.

We hope that IEEE MILCOM 2023 will be a truly inspirational and rewarding experience for all attendees. Wish you all a great conference and an enjoyable stay in Boston, Massachusetts!

Luiz DaSilva and William Semancik,
IEEE MILCOM 2023 Conference General Co-Chairs