Design Methods for Human–Machine Teams

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Deadline for manuscript submissions:
closed (30 April 2024)

Message from the Guest Editors

Dear Colleagues,

The explosion of automation, artificial intelligence, and autonomous systems is transforming interaction and work across a wide range of applications, including manufacturing, defense, transportation, healthcare, and finance. The design of human–machine teams that include humans and machines with embedded algorithms has the potential to combine the relative advantages, while compensating for the disadvantages of each. However, teams are much more than a sum or their individual parts, and to be effective, these entities must be designed to support effective communication, collaboration, and trust. Deliberate systems engineering methods and tools for designing and evaluating these systems, as well as appropriate system architectures, are required to support these vital teaming characteristics. You are cordially invited to contribute to this Special Issue to expand the shared understanding and advances in the use of systems engineering to support the design of human–machine teams.

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Special Issue

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Message from the Editor-in-Chief

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