Game-Theoretic Analysis of Network Security and Privacy

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Security and privacy settings can be naturally modeled as strategic interactions among defenders, who are concerned with protecting their systems, and attackers, who aspire to compromise the security or privacy of these systems. This Special Issue is devoted to the study of game-theoretic models of security and privacy on networks, where networks are viewed as general abstractions that can represent interaction and interdependence among devices and/or people. Of particular interest to this Special Issue are novel game-theoretic models in CPS/IoT security and privacy, game-theoretic reasoning in network analytics, game-theoretic approaches that aim to balance privacy and data utility, and approaches at the intersection of game theory and machine learning in security and privacy.

Dr. Yevgeniy Vorobeychik
Guest Editor

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