



games



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Game Models for Cyber-Physical Infrastructures, 2nd Edition

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submissions:

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Message from the Guest Editors

This special issue invites contributions from the intersection of game theory and cybersecurity, improving existing or proposing new approaches to establish a systemic view and protection of CIs against large-scale attackers. The work can comprise, but is not limited to, systematic identification of vulnerabilities and risks, control theory for the protection against cascading effects of damage events, heterogeneous game models to cover complex attack patterns like advanced persistent threats, models of bounded rationality to describe human error and protections against this, real-life case studies and lessons learned. In addition, we welcome work on the adversarial use of AI, trustworthy AI and strategic online learning, as well as multi-criteria strategic decision-making and mechanism design for security and useable security.



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Special issue