

Special Issue

Complex Network Analysis in Security

Message from the Guest Editor

Complex networks are an interdisciplinary field of study that has penetrated biology, social sciences, communication, transportation, cyber security, and many more. Networks are everywhere. They provide important non-trivial clues about the underlying processes that led to their formation. Network analysis helps with assessing the structure and function of complex systems, finding their vulnerabilities, and increasing robustness. Problems related to networks and security are abundant, but so are the tools to solve them. The network science toolbox includes deep learning algorithms, optimization algorithms, generative random network models, percolation analysis, centrality analysis, and many more. Everything that is related to network science and security is in scope, including but limited to:

- Complex networks
- Communication networks
- Transportation networks
- Monitoring optimization
- Cybersecurity
- Threat intelligence
- Malware analysis

Guest Editor

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