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Graph Theory and Network Theory

Guest Editor:

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Message from the Guest Editor

Dear Colleague,

This Special Issue is dedicated to the application of graph theory in network optimization and network reliability problems. We invite submissions focusing on network optimization problems, such as minimal path, shortest path, minimum cost path, max flow, assignment, transportation problems, as well as related topics. Additionally, we welcome papers addressing network reliability problems, including both binary state flow networks and multistate flow networks, and employing exact and approximation approaches such as simulation techniques, upper and lower bounds methods, and minimal path- and minimal cut-based algorithms. We encourage submissions with strongly applications and those with a theoretical focus that have potential practical implications.











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Editor-in-Chief

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Message from the Editor-in-Chief

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