

# Network Optimization, Design and Exploration Center

The NODE group at Kansas State University is an interdisciplinary team of researchers from mathematics, electrical and computer engineering, computer science and statistics departments. NODE members are faculty, postdocs, graduate students and undergraduate students studying a diverse range of topics in network and graph theory, including:

- Analysis of graph structure using metric space techniques including spectral theory and p-modulus.
- Robustness and optimization of networks.
- Random processes on graphs and networks.
- Applications of networks, including epidemic spreading, communications security and data analysis.
- High-performance software tools for network analysis.

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Department of Mathematics



## Faculty members

Nathan Albin, mathematics

Pietro Poggi-Corradini, mathematics

Caterina Scoglio, electrical and computer engineering

## Graduate study in math

K-State offers a master's degree, doctorate, concurrent B.S./M.S. degree and a graduate certificate in applied mathematics. Our nationally ranked programs are well regarded for access to advanced research centers, faculty mentors and professional support. Learn more at [math.k-state.edu/graduate](https://math.k-state.edu/graduate).

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