

# The Structure Of Complex Networks: Theory And Applications By Ernesto Estrada

By Ernesto Estrada

Genre/Form: Electronic books: Additional Physical Format: Print version: Estrada, Ernesto, 1966-Structure of complex networks. Oxford : Oxford University Press, 2011

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Structure of complex networks: Quantifying edge-to-edge relations by failure-induced flow redistribution Michael T. Schaub<sup>1</sup>, Jörg Lehmann<sup>2</sup>, Sophia N. Yaliraki<sup>3</sup> and

<http://arxiv.org/pdf/1303.6241>

Dynamics of Networks: Theory and Applications (Mathematics and Its Applications) written by Ernesto Estrada from our The model dependencies between the structure

<http://goipdf.dbtgroup.eu/dynamics-of-networks-theory-and-applications-ernesto-59923519.pdf>

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Community structure is a salient structural characteristic of many real-world networks. Communities are generally hierarchical, overlapping, multi-scale

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community structure of complex networks The Structure Of Complex Networks Theory And Applications. Author by : Ernesto Estrada Language : en

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Based on that, an algorithm for reconstructing the hierarchical structure of complex networks is proposed.

<http://iopscience.iop.org/1751-8121/40/19/006>

Coupled biological and chemical systems, neural networks, social interacting species, the Internet and the World Wide Web, are only a few examples of systems composed

<http://academic.research.microsoft.com/Publication/4155282/complex-networks-structure-and-dynamics>

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Ernesto Estrada: Structure of Complex Networks: Structural Measures and "Communicability in complex networks. Theory and Applications

[http://www.ictp-saifr.org/wp-content/uploads/2014/05/preliminary-program\\_July-23.pdf](http://www.ictp-saifr.org/wp-content/uploads/2014/05/preliminary-program_July-23.pdf)

The Structure of Complex Networks: Theory and Applications This book deals with the analysis of the structure of complex networks Ernesto Estrada.

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Another important feature of complex networks is represented by their mesoscopic structure, characterized by the presence of groups of nodes, called communities or

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2920821/>

This means the overlapping community structure in complex networks. Overlapping nodes may play a special role in a complex network system.

<http://www.sciencedirect.com/science/article/pii/S0378437106008119>

Ernesto Estrada (born of Prof. Luis A. Montero Cabrera on the topic of Graph Theory Applied to the study of complex networks in

[http://en.wikipedia.org/wiki/Ernesto\\_Estrada](http://en.wikipedia.org/wiki/Ernesto_Estrada)

The Structure of Complex Networks: Theory and Applications Ernesto Estrada, 3 Metric and topological structure of networks.

<http://www.oxfordscholarship.com/view/10.1093/acprof:oso/9780199591756.001.0001/acprof-9780199591756>

& General > Mathematics > Applied Mathematics > Mathematical Underpinnings of Analytics. The Structure of Complex Networks. Theory and Applications. Ernesto

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Abstract. Inspired by empirical studies of networked systems such as the Internet, social networks, and biological networks, researchers have in recent years

<http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.122.7284>

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<http://oxfordindex.oup.com/view/10.1093/acprof:oso/9780199591756.001.0001>

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<http://www.oxfordscholarship.com/view/10.1093/acprof:oso/9780199591756.001.0001/acprof-9780199591756-chapter-10>

CS 765 Complex Networks The Structure of Complex Networks Theory a broad conceptual introduction to the modern theory and applications of complex networks

<http://www.cse.unr.edu/~mgunes/cs765/>

Examining important results and analytical techniques, this graduate-level textbook is a step-by-step presentation of the structure and function of complex networks.

<http://www.amazon.com/Complex-Networks-Structure-Robustness-Function/dp/0521841569>

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<https://www.crcpress.com/Dynamics-of-Networks-Theory-and-Applications/Estrada/9781466593909>

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