



# Theories of Communication Networks

By Peter R. Monge, Noshir Contractor

Download now

Read Online ➔

**Theories of Communication Networks** By Peter R. Monge, Noshir Contractor

To date, most network research contains one or more of five major problems. First, it tends to be atheoretical, ignoring the various social theories that contain network implications. Second, it explores single levels of analysis rather than the multiple levels out of which most networks are comprised. Third, network analysis has employed very little the insights from contemporary complex systems analysis and computer simulations. Fourth, it typically uses descriptive rather than inferential statistics, thus robbing it of the ability to make claims about the larger universe of networks. Finally, almost all the research is static and cross-sectional rather than dynamic.

*Theories of Communication Networks* presents solutions to all five problems. The authors develop a multitheoretical model that relates different social science theories with different network properties. This model is multilevel, providing a network decomposition that applies the various social theories to all network levels: individuals, dyads, triples, groups, and the entire network. The book then establishes a model from the perspective of complex adaptive systems and demonstrates how to use Blanche, an agent-based network computer simulation environment, to generate and test network theories and hypotheses. It presents recent developments in network statistical analysis, the  $p^*$  family, which provides a basis for valid multilevel statistical inferences regarding networks. Finally, it shows how to relate communication networks to other networks, thus providing the basis in conjunction with computer simulations to study the emergence of dynamic organizational networks.

 [Download Theories of Communication Networks ...pdf](#)

 [Read Online Theories of Communication Networks ...pdf](#)

# Theories of Communication Networks

By Peter R. Monge, Noshir Contractor

## Theories of Communication Networks By Peter R. Monge, Noshir Contractor

To date, most network research contains one or more of five major problems. First, it tends to be atheoretical, ignoring the various social theories that contain network implications. Second, it explores single levels of analysis rather than the multiple levels out of which most networks are comprised. Third, network analysis has employed very little the insights from contemporary complex systems analysis and computer simulations. Forth, it typically uses descriptive rather than inferential statistics, thus robbing it of the ability to make claims about the larger universe of networks. Finally, almost all the research is static and cross-sectional rather than dynamic.

*Theories of Communication Networks* presents solutions to all five problems. The authors develop a multitheoretical model that relates different social science theories with different network properties. This model is multilevel, providing a network decomposition that applies the various social theories to all network levels: individuals, dyads, triples, groups, and the entire network. The book then establishes a model from the perspective of complex adaptive systems and demonstrates how to use Blanche, an agent-based network computer simulation environment, to generate and test network theories and hypotheses. It presents recent developments in network statistical analysis, the  $p^*$  family, which provides a basis for valid multilevel statistical inferences regarding networks. Finally, it shows how to relate communication networks to other networks, thus providing the basis in conjunction with computer simulations to study the emergence of dynamic organizational networks.

## Theories of Communication Networks By Peter R. Monge, Noshir Contractor Bibliography

- Sales Rank: #1003447 in Books
- Published on: 2003-03-27
- Original language: English
- Number of items: 1
- Dimensions: 6.00" h x .60" w x 9.10" l, 1.30 pounds
- Binding: Paperback
- 432 pages

 [Download Theories of Communication Networks ...pdf](#)

 [Read Online Theories of Communication Networks ...pdf](#)

## **Editorial Review**

### About the Author

Peter R. Monge is at University of Southern California. Noshir Contractor is at University of Illinois at Urbana-Champaign.

## **Users Review**

### **From reader reviews:**

#### **Linda Cunningham:**

Nowadays reading books are more than want or need but also turn into a life style. This reading addiction give you lot of advantages. Associate programs you got of course the knowledge the particular information inside the book that will improve your knowledge and information. The information you get based on what kind of reserve you read, if you want send more knowledge just go with knowledge books but if you want sense happy read one together with theme for entertaining such as comic or novel. The Theories of Communication Networks is kind of e-book which is giving the reader unstable experience.

#### **Jacquelyn Lopez:**

Often the book Theories of Communication Networks will bring you to the new experience of reading a book. The author style to explain the idea is very unique. When you try to find new book to read, this book very acceptable to you. The book Theories of Communication Networks is much recommended to you to read. You can also get the e-book in the official web site, so you can easier to read the book.

#### **Cynthia Campbell:**

The reserve with title Theories of Communication Networks has lot of information that you can understand it. You can get a lot of benefit after read this book. This particular book exist new know-how the information that exist in this guide represented the condition of the world currently. That is important to yo7u to know how the improvement of the world. This kind of book will bring you throughout new era of the glowbal growth. You can read the e-book in your smart phone, so you can read it anywhere you want.

#### **Beulah Chavez:**

As a student exactly feel bored in order to reading. If their teacher questioned them to go to the library or make summary for some guide, they are complained. Just small students that has reading's soul or real their pastime. They just do what the professor want, like asked to the library. They go to right now there but nothing reading really. Any students feel that looking at is not important, boring and can't see colorful pictures on there. Yeah, it is to get complicated. Book is very important in your case. As we know that on

this time, many ways to get whatever we wish. Likewise word says, many ways to reach Chinese's country. Therefore this Theories of Communication Networks can make you truly feel more interested to read.

**Download and Read Online Theories of Communication Networks  
By Peter R. Monge, Noshir Contractor #UAKQM5T8Y9P**

## **Read Theories of Communication Networks By Peter R. Monge, Noshir Contractor for online ebook**

Theories of Communication Networks By Peter R. Monge, Noshir Contractor Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Theories of Communication Networks By Peter R. Monge, Noshir Contractor books to read online.

### **Online Theories of Communication Networks By Peter R. Monge, Noshir Contractor ebook PDF download**

**Theories of Communication Networks By Peter R. Monge, Noshir Contractor Doc**

**Theories of Communication Networks By Peter R. Monge, Noshir Contractor Mobipocket**

**Theories of Communication Networks By Peter R. Monge, Noshir Contractor EPub**