

# Selected Results of the COST Action IS0605 ECON TEL: Lecture Notes in Computer Science

## Abstract

This book constitutes the refereed proceedings of the 14th International Workshop on Economics of Networks, Systems and Computation, NETYS 2011, held in Nancy, France, in October 2011. The 30 revised full papers and 1 invited paper were carefully reviewed and selected from 67 submissions. The papers contain research results and ongoing research in the field, and are grouped into session topics on network economics, game theoretical approaches in networks, network security, and applications in electricity markets.



## Telecommunication Economics: Selected Results of the COST Action IS0605 Econ@Tel (Lecture Notes in Computer Science Book 7216) by Robert Dilts

★★★★☆ 4.7 out of 5

Language : English

File size : 6692 KB

Screen Reader : Supported

Print length : 252 pages



## Table of Contents

- Network Economics
- Game Theoretical Approaches in Networks

- Network Security
- Applications in Electricity Markets

## **Network Economics**

The section on network economics contains papers that study the economic aspects of networks, such as pricing, competition, and investment. One of the papers in this section, "The Economics of Network Congestion: A Survey," provides a comprehensive overview of the literature on network congestion and its economic implications.

## **Game Theoretical Approaches in Networks**

The section on game theoretical approaches in networks contains papers that use game theory to model and analyze the behavior of agents in networks. One of the papers in this section, "A Game Theoretic Approach to Network Formation," studies the formation of networks in a setting where agents have different preferences and costs for connecting to each other.

## **Network Security**

The section on network security contains papers that study the security of networks, such as attacks, defenses, and detection. One of the papers in this section, "A Survey of Network Security Threats and Countermeasures," provides a comprehensive overview of the different types of network security threats and the countermeasures that can be used to mitigate them.

## **Applications in Electricity Markets**

The section on applications in electricity markets contains papers that study the use of networks in electricity markets, such as pricing, dispatch, and

congestion management. One of the papers in this section, "A Network-Based Model for Electricity Markets," develops a network-based model for electricity markets that can be used to study the impact of different market designs on prices, congestion, and reliability.

This book is a valuable resource for researchers and practitioners working in the field of network economics, game theory, network security, and applications in electricity markets. The papers in this book provide a comprehensive overview of the state-of-the-art in these fields and will be of interest to anyone working on the economic aspects of networks.

## Author

The book is edited by Antonio Fernández Anta, Jean-Charles Grégoire, and Lars P. Østerdal.

## Publisher

The book is published by Springer Berlin Heidelberg.

The for the book is 978-3-642-25018-0.

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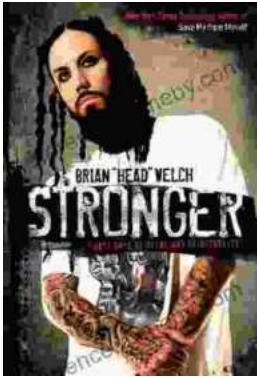
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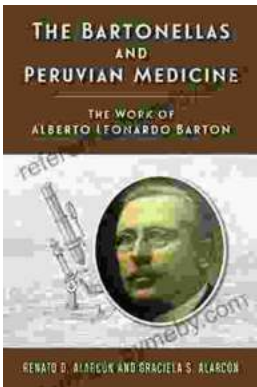
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