



Network Security Attacks and Countermeasures

By Dileep Kumar G.

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Our world is increasingly driven by sophisticated networks of advanced computing technology, and the basic operation of everyday society is becoming increasingly vulnerable to those networks shortcomings. The implementation and upkeep of a strong network defense is a substantial challenge, beset not only by economic disincentives, but also by an inherent logistical bias that grants advantage to attackers.

Network Security Attacks and Countermeasures discusses the security and optimization of computer networks for use in a variety of disciplines and fields. Touching on such matters as mobile and VPN security, IP spoofing, and intrusion detection, this edited collection emboldens the efforts of researchers, academics, and network administrators working in both the public and private sectors.

This edited compilation includes chapters covering topics such as attacks and countermeasures, mobile wireless networking, intrusion detection systems, next-generation firewalls, and more.

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Network Security Attacks and Countermeasures By Dileep Kumar G. Bibliography

- Rank: #5615757 in Books
- Published on: 2016-01-18
- Original language: English
- Number of items: 1
- Dimensions: 11.02" h x .88" w x 8.50" l, 2.55 pounds
- Binding: Hardcover
- 357 pages

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Editorial Review

About the Author

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M. K. Jayanthi is working as a University Professor in the Dept. of Computer Science in King Khalid University, Abha, Kingdom of Saudi Arabia and Quality Coordinator for both the Departments (CS & IS) NCAAA ABET Accreditation Process from Accreditation Board for Engineering and Technology (ABET), USA. She did B.E., (Computer Science and Engineering) in Adhiyamaan College of Engineering, Hosur, M.E., (Computer Science and Engineering) from Anna University, Chennai, M.S., (Software Systems) from Birla Institute of Technology and Science, BITS, Pilani, Rajasthan, Ph.D., in Computer Science and Engineering, from SCSVMV University, Kancheepuram and M.B.A., (Operations Management) from IGNOU., M.Phil. (Computer Science) from Madurai Kamaraj University & PGDPMIR., from Annamalai University. She has 18 years teaching experience in the Computer Science and Engineering Dept. in University level and guiding research scholars at Doctoral Level. Produced 2 Ph.D., Doctorates in Computer Science and Information Technology under her Guidance. She received VIT Research Award 2012-13 for Publishing 5 papers during the year 2012 in *Scopus Indexed Research Journals*. She guided 4 M.Phil., & 5 M.S., students. She has published more than 32 high quality research papers in refereed International Journals like *World Scientific*, *IEEE Explore*, and *World Applied Sciences*. She is JNTU - Annathapur ratified Principal of Engineering College and JNTU Hyderabad ratified Professor of Computer Science and Engineering. She has Submitted an R&D PROJECT PROPOSAL Titled *e-Learning System Design using Mobile Agent based Learning Objects to Ministry of Communications & Information Technology, Department of Information Technology*.

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