

Advances in Delay-tolerant Networks (DTNs): Architecture and Enhanced Performance (Woodhead Publishing Series in Electronic and Optical Materials)

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Part one looks at delay-tolerant network architectures and platforms including DTN for satellite communications and deep-space communications, underwater networks, networks in developing countries, vehicular networks and emergency communications. Part two covers delay-tolerant network routing, including issues such as congestion control, naming, addressing and interoperability. Part three explores services and applications in delay-tolerant networks, such as web browsing, social networking and data streaming. Part four discusses enhancing the performance, reliability, privacy and security of delay-tolerant networks. Chapters cover resource sharing, simulation and modeling and testbeds.

- Reviews the different types of DTN and shows how they can be applied in satellite and deep-space communications, vehicular and underwater communications, and during large-scale disasters
- Considers the potential for rapid selection and dissemination of urgent messages is considered
- Reviews the breadth of areas in which DTN is already providing solutions and the prospects for its wider adoption



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Editorial Review

About the Author

Joel Rodrigues is a Professor in the Department of Informatics at the University of Beira Interior, as well as being a researcher at the Instituto de Telecomunicações (IT), leader of the Next Generation Networks and Applications Group (NetGNA), chair of a number of committees and editor-in-chief of the International Journal of E-Health and Medical Communications, the Recent Advances on Communications and Networking Technology Journal, and the Journal of Multimedia Information Systems.

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