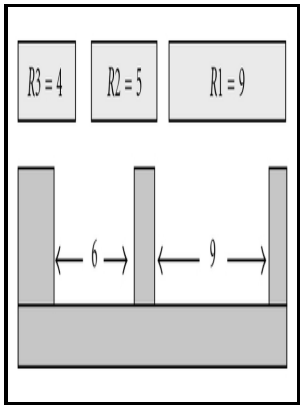
Resource management in satellite networks - optimization and cross-layer design

Springer - Resource Management in Satellite Networks



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Giselle (Choreographic work)
Alonso, Alicia, -- 1921-
Adam, Adolphe, -- 1803-1856.
Radio resource management (Wireless communications)
Artificial satellites in telecommunication.Resource management in satellite networks - optimization and cross-layer design
-Resource management in satellite networks - optimization and cross-layer design
Notes: Includes bibliographical references and index.
This edition was published in 2007

Filesize: 30.810 MB

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Resource Management in Satellite Networks

In these networks, cross-layer interference mitigation, efficient resource frequency, power, spatial allocation, reliability, scalability and latency issues, resource-efficient design of satellite-to-UAV and UAV-to-ground networks, joint optimization of involved resources, and network planning for on-demand deployment are some of the key challenges to be addressed. An operator-configurable resource management algorithm enables spectrum planning engineers to meet their on-going tactical and strategic needs. Inmarsat MMS In 1997, prior to the introduction of UMTS mobility management, Calian, Advanced Technologies provided a turn-key Mobility Management System MMS to Inmarsat to allow the users of its B, M, and Mini-M services to access terminals using one Single Network Access Code SNAC.

Resource management in wireless heterogeneous networks: an optimization perspective

The PRMS is a highly-available fault-tolerant software subsystem that is responsible for determining when and where satellite channels are to be reused which sub-beams , assigning channels to gateway channel units and processing elements, and assigning users to carriers as they access the gateway. Firstly, how to implement a cross-layer optimization policy for MEC that jointly optimizes the application layer, network layer, data link layer, as well as physical layer of the protocol stack using an application-oriented objective function while satisfying the different user service requirements i.

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In the forward link, technologies are considered as baseline that apply adaptive coding and modulation. We further explore the cross-layer interactions between the two systems and among layers within the networking protocol stack, which combine the design of control system sampling rate adaptation and the network scheduling. Electrical Engineering degree in 1999 from University of Engineering and Technology, Lahore.

Resource Management in Satellite Networks

Widespread use of D2D communication can result in numerous challenges namely, security, interference, access control, network mode selection

and power allocation.

Call for Papers

Originally installed in 1998, Calian, Advanced Technologies has successfully supported and evolved the NCS for almost 15 years, including 6 global locations and multiple relocations. To arbitrate the resource sharing among multiple control systems, we present a new fairness model for wireless network based on the game theoretical framework, and evaluate the impact of resource sharing regions approximated by different neighborhood models.

Call for Papers

The results of the periodic ranking result in new carriers being set up to satisfy high user demand and under-utilized channels being returned for reallocation by first coordinating the reassignment of allocated users. In 1999, he joined the of the , Italy.

Resource Management in Satellite Networks

Shaohua Wan Managing Guest Editor , Zhongnan University of Economics and Law, China Prof. The cloud servers are always located in the center of core network and far away from the users, which may cause delay fluctuation and additional transmission energy cost.

Resource management in wireless heterogeneous networks: an optimization perspective

Inmarsat-4 GRM Designed and built by Calian, Advanced Technologies, the Global Resource Manager GRM is a real-time software system that dynamically manages the payload resources of the Inmarsat-4 satellites.

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