

ieee 802 11 ad hoc networks—performance measurements

Thu, 22 Nov 2018 20:28:00 GMT
ieee 802 11 ad hoc pdf - investigation of the ad hoc features of the IEEE 802.11 standard, (ii) an analysis of the performance of 802.11-based ad hoc networks; and (iii) an investigation of the major problems arising when using the 802.11 technology for ad hoc networks, and possible directions for enhancing this technology for a better support of the ad hoc networking
Wed, 05 Dec 2018 17:36:00 GMT
IEEE 802.11 Ad Hoc Networks: Protocols, Performance and ... - The IEEE 802.11 technology [IEEE02] is a good platform to implement single-hop ad hoc networks because of its extreme simplicity. Single-hop means that stations must be within the same
Sat, 01 Jul 2006 23:56:00 GMT (PDF)
IEEE 802.11 ad hoc networks: performance measurements - 2.1 The TSF of IEEE 802.11 MAC management plays an important role in IEEE 802.11 ad hoc networks. Synchronization functions and power management functions are implemented in this sublayer. According to the IEEE 802.11 specifications [4], each station maintains a TSF timer (clock) with modulus counting in increments of microseconds (s).
Thu, 29 Nov 2018 12:06:00 GMT
On the Scalability of IEEE 802.11 Ad Hoc Networks - The IEEE 802.11 standards support the peer-to-peer

mode Independent Basic Service Set (IBSS), which is an ad hoc network with all its stations within each other's transmission range.
Sun, 18 Nov 2018 12:26:00 GMT (PDF)
On the scalability of IEEE 802.11 ad hoc networks - an in-depth investigation of the ad hoc features of the IEEE 802.11 standard, (ii) an analysis of the performance of 802.11-based ad hoc networks, and (iii) an investigation of the major problems arising when using the 802.11 technology for ad hoc networks, and possible
Sat, 01 Dec 2018 00:22:00 GMT
IEEE 802.11 AD HOC NETWORKS: PROTOCOLS, PERFORMANCE, AND ... - IEEE 802.11 has become the main technology in local area wireless networks. However, performance anomalies, especially, in terms of fairness, arise in its use in ad hoc networks. This paper introduces a fair access method (FWM: Fair Wireless MAC) that is an extension of the original 802.11 DCF access method to ad hoc networks. A busy
Wed, 21 Nov 2018 00:56:00 GMT
Achieving Fairness in IEEE 802.11 Ad Hoc Networks - IEEE 802.11 Performance in an Ad-Hoc Environment
1 Craig Sweet, Vijay Devarapalli, and Deepinder Sidhu
Maryland Center for Telecommunications Research
Wed, 05 Dec

2018 06:59:00 GMT
IEEE 802.11 Performance in an Ad-Hoc Environment - ity of IEEE 802.11 ad-hoc networks by exploiting frequency diversity. This extends the benefits of channelization to ad-hoc networks.
The protocol is suitable for a multi-hop environment, does not require changes to the IEEE 802.11 standard, and does not require multiple radios.
Wed, 05 Dec 2018 18:04:00 GMT
SSCH: Slotted Seeded Channel Hopping for Capacity ... - hops. Most of the existing IEEE 802.11-based ad hoc networks have been developed in the academic environment, but recently even commercial solutions have been proposed (see, e.g., Mesh Networks¹ and SPANworks²). The characteristics of the wireless medium and the dynamic nature of ad hoc networks make (IEEE 802.11)
Fri, 07 Dec 2018 15:10:00 GMT
IEEE 802.11 Ad Hoc Networks: Performance Measurements - Keywords: IEEE 802.11, ad hoc networks, scalability, clock synchronization
1 Introduction
The IEEE 802.11 standards support the peer-to-peer mode Independent Basic Service Set (IBSS), which is an ad hoc network with all its stations within each other's transmission range. An ad hoc network can be constructed quickly without much
Fri, 07 Dec

2018 15:10:00 GMT
Analysis and
Implementation of Scalable
Clock ... - Version 2.6 IEEE
P802.3ch Multigigabit
Automotive Ethernet PHY
Task Force "Ad Hoc
meeting Page 5 March 2017
Slide 5 IEEE 802 Executive
Committee Participation in
IEEE 802 Meetings All
participation in IEEE 802
Working Group meetings is
on an individual basis "€
Participants in the IEEE
standards development
individual process shall act
based ... Fri, 30 Nov 2018
11:51:00 GMT Agenda and
General Information -
ieee802.org -
Agenda/Admin George
Zimmerman as ad hoc
chair: Meeting began at
7:05 am PT. Introductions
& Affiliations. Presented
file:
agenda_3chah_01_120518.
pdf 1. Reviewed the
Attendance information
related to the ad hoc. 2.
Displayed the Participation
slide and reviewed it. 3.
Displayed patent slide deck,
and reviewed it. Wed, 15
Aug 2018 14:05:00 GMT
Minutes IEEE P802.3ch
Multigig Automotive
Ethernet PHY TF ... -
identify and defend against
MAC-layer selfish
misbehavior, respectively,
in IEEE 802.11 multi-hop
ad hoc networks. Specii-
cally, the
non-deterministic nature of
the IEEE 802.11 MAC
protocol imposes great
challenges to distinguishing
selfish nodes from
well-behaved nodes. Sat, 01

Dec 2018 16:36:00 GMT
IEEE TRANSACTIONS
ON MOBILE
COMPUTING, VOL. 14,
NO. 6 ... - serious problem
in ad hoc networks and may
hurt the network capacity as
well as the network
performance significantly.
This conference paper
problem, a simple MAC
layer scheme is proposed to
help IEEE 802.11 combat
the large interference range.
Simulation results show
that our scheme is a great
improvement over How
Effective is the IEEE
802.11 RTS/CTS
Handshake in Ad ... -
works, also called ad hoc
networks, often rely on the
use of IEEE 802.11 for the
physical and MAC layers.
However, for a couple of
years the use of 802.11 in
ad hoc networks has been
discussed. Different
scenarios show serious
performance issues. The
performance offered by
802.11 is often low and
directly impacts the perfor-
Performance Issues with
IEEE 802.11 in Ad Hoc
Networking -

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