

Institutional Sign In

BROWSE

MY SETTINGS

GET HELP

WHAT CAN I ACCESS?

SUBSCRIBE

Browse Journals & Magazines > Wireless Communications, IEEE ...

Wireless Communications, IEEE



Popular

Current Issue

Past Issues

About Journal

Submit Your Manuscript

Popular Articles (July 2015)

Includes the top 50 most frequently downloaded documents for this publication according to the most recent monthly usage statistics.

 Select All Results

Sort by: Most Popular

- 1. Security and privacy in cloud-assisted wireless wearable communications: Challenges, solutions, and future directions**

Jun Zhou ; Zhenfu Cao ; Xiaolei Dong ; Xiaodong Lin
Publication Year: 2015 , Page(s): 136 - 144

Abstract | PDF (276 KB)

- 2. Cooperative device-to-device communications in cellular networks**

Yang Cao ; Tao Jiang ; Chonggang Wang
Publication Year: 2015 , Page(s): 124 - 129

Abstract | PDF (212 KB)

- 3. Recent advances in energy-efficient networks and their application in 5G systems**

Gang Wu ; Chenyang Yang ; Shaoqian Li ; Li, G.Y.
Publication Year: 2015 , Page(s): 145 - 151

Abstract | PDF (124 KB)

- 4. Resource allocation in heterogeneous cloud radio access networks: advances and challenges**

Dahrouj, H. ; Douik, A. ; Dhifallah, O.
Publication Year: 2015 , Page(s): 66 - 73

Abstract | PDF (252 KB)

- 5. Evolution toward 5G multi-tier cellular wireless networks: An interference management perspective**

Hossain, E. ; Rasti, M. ; Tabassum, H. ; Abdelnasser, A.
Publication Year: 2014 , Page(s): 118 - 127
Cited by: Papers (8)

Abstract | PDF (222 KB) | HTML

- 6. LTE-unlicensed: the future of spectrum aggregation for cellular networks**

Ran Zhang ; Miao Wang ; Cai, L.X. ; Zhongming Zheng ; Xuemin Shen
Publication Year: 2015 , Page(s): 150 - 159

Abstract | PDF (251 KB)

- 7. Direct mobile-to-mobile communication: Paradigm for 5G**

Mumtaz, S. ; Saidul Huq, K.M. ; Rodriguez, J.

Sponsor



IEEE Access
The Journal for rapid open access publishing

Do you agree on what causes sudden acceleration in automobiles?

Comment Now
on this controversial topic in IEEE Access.



© Copyright IEEE Access 2014

Comment

The journal for rapid open access publishing.



Publication Year: 2014 , Page(s): 14 - 23

Cited by: Papers (1)


   Abstract | PDF (437 KB) |  HTML

8. VANET-cloud: a generic cloud computing model for vehicular Ad Hoc networks 

Bitam, S. ; Mellouk, A. ; Zeadally, S.

Publication Year: 2015 , Page(s): 96 - 102

   Abstract | PDF (252 KB) |  HTML


9. LTE-advanced: next-generation wireless broadband technology [Invited Paper] 

Ghosh, A. ; Ratasuk, R. ; Mondal, B. ; Mangalvedhe, N. ; Thomas, T.

Publication Year: 2010 , Page(s): 10 - 22

Cited by: Papers (197) | Patents (3)

   Abstract | PDF (431 KB) |  HTML


10. Wireless charger networking for mobile devices: fundamentals, standards, and applications 

Xiao Lu ; Niyato, D. ; Ping Wang ; Dong In Kim ; Zhu Han

Publication Year: 2015 , Page(s): 126 - 135

Cited by: Papers (1)


   Abstract | PDF (229 KB)

11. Device-to-device-based heterogeneous radio access network architecture for mobile cloud computing 

Minho Jo ; Maksymuk, T. ; Strykhalyuk, B. ; Choong-Ho Cho

Publication Year: 2015 , Page(s): 50 - 58

   Abstract | PDF (509 KB)

12. Mobile application security: malware threats and defenses 

Daojing He ; Chan, S. ; Guizani, M.

Publication Year: 2015 , Page(s): 138 - 144


   Abstract | PDF (186 KB) |  HTML

13. Video delivery in heterogenous crans: architectures and strategies 

Min Sheng ; Weijia Han ; Chuan Huang ; Jiandong Li ; Shuguang Cui

Publication Year: 2015 , Page(s): 14 - 21

   Abstract | PDF (204 KB)


14. Emerging technologies and research challenges for 5G wireless networks 

Woon Hau Chin ; Zhong Fan ; Haines, R.

Publication Year: 2014 , Page(s): 106 - 112

Cited by: Papers (3)


   Abstract | PDF (168 KB) |  HTML

15. Cooperative interference mitigation and handover management for heterogeneous cloud small cell networks 

Haijun Zhang ; Chunxiao Jiang ; Julian Cheng

Publication Year: 2015 , Page(s): 92 - 99











   Abstract | PDF (276 KB)













































16. Key elements to enable millimeter wave communications for 5G wireless systems 
















































Lili Wei ; Hu, R. ; Yi Qian ; Geng Wu

Publication Year: 2014 , Page(s): 136 - 143

   Abstract | PDF (282 KB) |  HTML

- 17. Balancing backhaul load in heterogeneous cloud radio access networks** 
- Chen Ran ; Shaowei Wang ; Chonggang Wang
 Publication Year: 2015 , Page(s): 42 - 48
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (230 KB)
-
- 18. Resource sharing in heterogeneous cloud radio access networks** 
- Marotta, M.A. ; Kaminski, N. ; Gomez-Miguel, I. ; Zambenedetti Granville, L. ; Rochol, J. ; Dasilva, L. ; Both, C.B.
 Publication Year: 2015 , Page(s): 74 - 82
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (273 KB)
-
- 19. Bluetooth: a viable solution for IoT? [Industry Perspectives]** 
- Kuor-Hsin Chang
 Publication Year: 2014 , Page(s): 6 - 7
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (137 KB) | [📄](#) HTML
-
- 20. Large-scale antenna operation in heterogeneous cloud radio access networks: a partial centralization approach** 
- Sangkyu Park ; Chan-Byoung Chae ; Saewoong Bahk
 Publication Year: 2015 , Page(s): 32 - 40
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (365 KB)
-
- 21. LTE-advanced self-organizing network conflicts and coordination algorithms** 
- Lateef, H.Y. ; Imran, A. ; Ali Imran, M. ; Giupponi, L. ; Dohler, M.
 Publication Year: 2015 , Page(s): 108 - 117
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (309 KB)
-
- 22. Dimming schemes for visible light communication: the state of research** 
- Zafar, F. ; Karunatilaka, D. ; Parthiban, R.
 Publication Year: 2015 , Page(s): 29 - 35
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (380 KB)
-
- 23. A survey on the ietf protocol suite for the internet of things: standards, challenges, and opportunities** 
- Zhengguo Sheng ; Shusen Yang ; Yifan Yu ; Vasilakos, A. ; McCann, J. ; Kin Leung
 Publication Year: 2013 , Page(s): 91 - 98
 Cited by: Papers (6)
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (224 KB) | [📄](#) HTML
-
- 24. Routing techniques in wireless sensor networks: a survey** 
- Al-Karaki, J.N. ; Kamal, A.E.
 Publication Year: 2004 , Page(s): 6 - 28
 Cited by: Papers (1001) | Patents (11)
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (435 KB) | [📄](#) HTML
-
- 25. Energy-efficient wireless communications: tutorial, survey, and open issues** 
- Li, G.Y. ; Zhikun Xu ; Cong Xiong ; Chenyang Yang ; Shunqing Zhang ; Yan Chen ; Shugong Xu
 Publication Year: 2011 , Page(s): 28 - 35
 Cited by: Papers (153)
[📄](#) | [📄](#) | [📄](#) | [📄](#) Abstract | PDF (355 KB) | [📄](#) HTML
-
- 26. A survey on 3GPP heterogeneous networks** 
- Damnjanovic, A. ; Montojo, J. ; Yongbin Wei ; Tingfang Ji ; Tao Luo ; Vajapeyam, M. ; Taesang Yoo ; Osok Song ; Malladi, D.
 Publication Year: 2011 , Page(s): 10 - 21
 Cited by: Papers (297) | Patents (3)

-  |  |  Abstract | PDF (429 KB) |  HTML
-
- 27. Ultra-low-latency ubiquitous connections in heterogeneous cloud radio access networks** 
- Shao-yu Lien ; Shao-chou Hung ; Kwang-cheng Chen ; Ying-chang Liang
 Publication Year: 2015 , Page(s): 22 - 31
-  |  |  Abstract | PDF (510 KB)
-
- 28. Large-scale convex optimization for ultra-dense cloud-RAN** 
- Yuanming Shi ; Jun Zhang ; Letaief, K.B. ; Bo Bai ; Wei Chen
 Publication Year: 2015 , Page(s): 84 - 91
-  |  |  Abstract | PDF (253 KB)
-
- 29. User-centric local mobile cloud-assisted D2D communications in heterogeneous cloud-rans** 
- Honglin Hu ; Rui Wang
 Publication Year: 2015 , Page(s): 59 - 65
-  |  |  Abstract | PDF (289 KB)
-
- 30. Energy sharing within EH-enabled wireless communication networks** 
- Xueqing Huang ; Ansari, N.
 Publication Year: 2015 , Page(s): 144 - 149
-  |  |  Abstract | PDF (276 KB)
-
- 31. Mobile wearable communications [Guest Editorial]** 
- Moustafa, H. ; Kenn, H. ; Sayrafian, K. ; Scanlon, W. ; Zhang, Y.
 Publication Year: 2015 , Page(s): 10 - 11
-  |  |  Abstract | PDF (163 KB) |  HTML
-
- 32. Physical layer security in wireless networks: a tutorial** 
- Yi-Sheng Shiu ; Shih Yu Chang ; Hsiao-Chun Wu ; Huang, S.C.-H. ; Hsiao-Hwa Chen
 Publication Year: 2011 , Page(s): 66 - 74
 Cited by: Papers (59)
-  |  |  Abstract | PDF (244 KB) |  HTML
-
- 33. Grouped modulation scheme for led array module in a visible light communication system** 
- Aiyng Yang ; Yongsheng Wu ; Kavehrad, M. ; Guoqiang Ni
 Publication Year: 2015 , Page(s): 24 - 28
-  |  |  Abstract | PDF (330 KB)
-
- 34. Fronthaul-constrained cloud radio access networks: insights and challenges** 
- Mugen Peng ; Chonggang Wang ; Lau, V. ; Poor, H.V.
 Publication Year: 2015 , Page(s): 152 - 160
-  |  |  Abstract | PDF (342 KB)
-
- 35. An overview of peak-to-average power ratio reduction techniques for multicarrier transmission** 
- Seung Hee Han ; Jae Hong Lee
 Publication Year: 2005 , Page(s): 56 - 65
 Cited by: Papers (674) | Patents (25)
-  |  |  Abstract | PDF (571 KB) |  HTML
-
- 36. From today's INTRANet of things to a future INTERNet of things: a wireless- and mobility-related view** 
- Zorzi, M. ; Gluhak, A. ; Lange, S. ; Bassi, A.
 Publication Year: 2010 , Page(s): 44 - 51
 Cited by: Papers (48)

-  |  |  Abstract | PDF (900 KB) |  HTML
-
- 37. Network synchronization for dense small cell networks** 
- Zou, K.J. ; Yang, K.W. ; Mao Wang ; Bingyin Ren ; Jingsong Hu ; Jingjing Zhang ; Min Hua ; Xiaohu You
 Publication Year: 2015 , Page(s): 108 - 117
-  |  |  Abstract | PDF (265 KB)
-
- 38. Device-to-device communications with Wi-Fi Direct: overview and experimentation** 
- Camps-Mur, D. ; Garcia-Saavedra, A. ; Serrano, P.
 Publication Year: 2013 , Page(s): 96 - 104
 Cited by: Papers (23)
-  |  |  Abstract | PDF (560 KB) |  HTML
-
- 39. Wideband spectrum sensing for cognitive radio networks: a survey** 
- Hongjian Sun ; Nallanathan, A. ; Cheng-Xiang Wang ; Yunfei Chen
 Publication Year: 2013 , Page(s): 74 - 81
 Cited by: Papers (17)
-  |  |  Abstract | PDF (221 KB) |  HTML
-
- 40. Interference cancellation for cellular systems: a contemporary overview** 
- Andrews, J.G.
 Publication Year: 2005 , Page(s): 19 - 29
 Cited by: Papers (260) | Patents (11)
-  |  |  Abstract | PDF (555 KB) |  HTML
-
- 41. Interference management for heterogeneous networks with spectral efficiency improvement** 
- Heli Zhang ; Shanzhi Chen ; Xi Li ; Hong Ji ; Xiaojiang Du
 Publication Year: 2015 , Page(s): 101 - 107
-  |  |  Abstract | PDF (363 KB)
-
- 42. Acquisition of channel state information in heterogeneous cloud radio access networks: challenges and research directions** 
- Gongpu Wang ; Qiang Liu ; Ruisi He ; Feifei Gao ; Tellambura, C.
 Publication Year: 2015 , Page(s): 100 - 107
-  |  |  Abstract | PDF (394 KB)
-
- 43. User privacy and data trustworthiness in mobile crowd sensing** 
- Daojing He ; Chan, S. ; Guizani, M.
 Publication Year: 2015 , Page(s): 28 - 34
-  |  |  Abstract | PDF (541 KB) |  HTML
-
- 44. Resource allocation for device-to-device communications underlying LTE-advanced networks** 
- Phunchongham, P. ; Hossain, E. ; Kim, D.I.
 Publication Year: 2013 , Page(s): 91 - 100
 Cited by: Papers (29)
-  |  |  Abstract | PDF (259 KB) |  HTML
-
- 45. Heterogeneous cloud radio access networks: a new perspective for enhancing spectral and energy efficiencies** 
- Mugen Peng ; Yuan Li ; Jiamo Jiang ; Jian Li ; Chonggang Wang
 Publication Year: 2014 , Page(s): 126 - 135
 Cited by: Papers (3)
-  |  |  Abstract | PDF (947 KB) |  HTML
-
- 46. Dynamic spectrum access in cognitive radio networks with RF energy harvesting** 

Xiao Lu ; Ping Wang ; Niyato, D. ; Hossain, E.

Publication Year: 2014 , Page(s): 102 - 110

Cited by: Papers (6)

 |  |  Abstract | PDF (284 KB) |  HTML

47. Game-theoretic resource allocation methods for device-to-device communication 

Lingyang Song ; Niyato, D. ; Zhu Han ; Hossain, E.

Publication Year: 2014 , Page(s): 136 - 144

Cited by: Papers (5)

 |  |  Abstract | PDF (281 KB) |  HTML

48. An architecture for software defined wireless networking 


Bernardos, C.J. ; De La Oliva, A. ; Serrano, P. ; Banchs, A. ;

Contreras, L.M. ; Hao Jin ; Zúniga, J.C.

Publication Year: 2014 , Page(s): 52 - 61

Cited by: Papers (2)

 |  |  Abstract | PDF (272 KB) |  HTML

49. IEEE 802.11AH: the WiFi approach for M2M communications 

Adame, T. ; Bel, A. ; Bellalta, B. ; Barcelo, J. ; Oliver, M.

Publication Year: 2014 , Page(s): 144 - 152

 |  |  Abstract | PDF (547 KB) |  HTML

50. Cloud gaming: a green solution to massive multiplayer online games 

Seong-Ping Chuah ; Chau Yuen ; Ngai-Man Cheung

Publication Year: 2014 , Page(s): 78 - 87

Cited by: Papers (1)

 |  |  Abstract | PDF (578 KB) |  HTML

Aims & Scope

IEEE Wireless Communications is designed for individuals working in the communications and networking communities.

Meet Our Editors

Editor-in-Chief

Hamid Gharavi

National Institute of Standards and Technology (NIST)

Further Links

[Personal Sign In](#) | [Create Account](#)

IEEE Account

» [Change Username/Password](#)

» [Update Address](#)

Purchase Details

» [Payment Options](#)

» [Order History](#)

» [Access Purchased Documents](#)

Profile Information

» [Communications Preferences](#)

» [Profession and Education](#)

» [Technical Interests](#)

Need Help?

» [US & Canada: +1 800 678 4333](#)

» [Worldwide: +1 732 981 0060](#)

» [Contact & Support](#)

[About IEEE Xplore](#) | [Contact Us](#) | [Help](#) | [Terms of Use](#) | [Nondiscrimination Policy](#) | [Sitemap](#) | [Privacy & Opting Out of Cookies](#)

A not-for-profit organization, IEEE is the world's largest professional association for the advancement of technology.

© Copyright 2015 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.