СПИСОК ВИКОРИСТАНИХ ДЖЕРЕЛ

1. Yan Zhang ; Rong Yu; ShengliXie ; Wenqing Yao ; Yang Xiao ; Mohsen Guizani. Home M2M networks: Architectures, standards, and QoS improvement. IEEE Communications Magazine (Volume: 49, Issue: 4, April 2011)

2. Beyer H.G., Schwefel H.P., Wegener I. HowtoanalyseEvolutionaryAlgorithms, 2002.

3. Saunders S.R. Antennas and propagation for wireless communication systems. England:JohnWiley&SonsLtd, 2007.

4. Motley A., Keenan J. Indoor Propagation Models // COST Action 231: Digital mobile radiotowards future generation systems: Final report. 1999. P. 175-179

5. S. Whitehead, "Adopting Wireless Machine-to-Machine Technology," IEE Computing and Control Eng. J., vol. 15, no. 5, 2004, pp. 40–46.

6. Zhang Y., Yu R., Xie S., Yao W., Xiao Y., Guizani M., "Home M2M networks: Architectures, standards, and QoS improvement", IEEE Communications Magazine vol. 49, Issue: 4, 2011

7. C. Inhyok et al., "Trust in M2M Communication," IEEE Vehic. Tech. Mag., vol. 4, no. 3, Sept. 2009, pp. 69–75.

8. Universal Plug and Play, Understanding Universal Plug and Play: A White Paper, June 2000

9. DLNA, DLNA Overview and Vision Whitepaper, 2006

10. IGRS, Information Device Intelligent Grouping and Resource Sharing QoS Specification for Wireless UWB networks (draft), 2008

11. FrédéricEvennou, François Marx. Advanced integration of WiFi and inertial navigation systems for indoor mobile positioning JournalEURASIP Journal on Applied Signal Processing archiveVolume 2006, 01 January Pages 164-164

12. Rappaport T. WirelessCommunications: PrinciplesandPractice, 2002

13. Маслянко П.П., Огоренко О.В., Огоренко Р.А. Метод оптимізації розміщення точок доступу бездротової мережі для сегмента кампусу, 2017

14.   L. Kantorovich. Mathematical Methods of Organising and Planning Production.Leningrad University Press, 1939.

15.   L. Kantorovich. Mathematical Methods of Organising and Planning Production.Leningrad University Press, 1939.

16.   R. M. Karp. Reducibility among combinatorial problems. In R. E. Miller and J.W.Tatcher, editors, Complexity of Computer Computations, pages 85–103. New York:Plenum, 1972.

17.   C. A. Kaskavelis and M. C. Caramanis. Efficient Lagrangian relaxation algorithms forindustry size job-shop scheduling problems. IIE Transactions, 30:1085–1097, 1998.

18.   H. Kellerer, U. Pferschy, and D. Pisinger. Knapsack Problems. Springer, 2005.

19.   S. Kirkpatrick, C. D. Gelatt, and M. P. Vecchi. Optimization by simulated annealing.Science, 220(4598):671–680, 1983.

20.   I. Kocsis, I. L. Farkas, and L. Nagy. 3G base station positioning using simulatedannealing. In Proc. of the 13th IEEE International Symposium on Personal, Indoorand Mobile Radio Communications (PIMRC 2002), pages 330–334, Sep. 2002.

21.   A. M. C. A. Koster. Frequency Assignment – Models and Algorithms. PhD thesis,Maastricht University, 1999.

22.   J. R. Koza. Survey of genetic algorithms and genetic programming. In Proc. ofWESCON '95 - Conference Record: Microelectronics, Communications Technology,Producing Quality Products, Mobile and Portable Power, Emerging Technologies, 1995

23.   J. Krarup and P. M. Pruzan. The simple plant location problem: Survey and synthesis.European Journal of Operational Research, 12:36–81, 1983.

24.   G. Kulkarni, V. Raghunathan, and M. Srivastava. Joint end-to-end scheduling, powercontrol and rate control in multi-hop wireless networks. In Proc. of the 47th annualIEEE Global Telecommunications Conference (GLOBECOM 2004), number 29, Dec.2004.

25.   Y.-L. Kuo, K.-W. Lai, F. Y.-S. Lin, Y.-F. Wen, E. H.-K. Wu, and G.-H. Chen. Multirate throughput optimization for wireless local area network anomaly problem. In Proc.of the 2nd Intl. Conference on Broadband Networks, pages 591–601, Oct. 2005

26.   A. H. Land and A. G. Doig. An automatic method for solving discrete programmingproblems. Econometrica, 28:497–520, 1960.

27.   T. Larsson and D. Yuan. An augmented lagrangian algorithm for large scale multicommodity routing. Computational Optimization and Applications, 27(2):187–215,2004.

28.   J. Li and S. Sampalli. QoS-guaranteed wireless packet scheduling for mixed services inHSDPA. In Proc. of the 9th ACM Intl. Symposium on Modeling Analysis and Simulationof Wireless and Mobile Systems (MSWiM 2006), pages 126–129, Oct. 2006.

29.   X. Lin, N. B. Shroff, and R. Srikant. A tutorial on cross-layer optimization in wirelessnetworks. IEEE Journal on Selected Areas in Communications, 24(8):1452–1463, Aug.2006.

30.   J. Linderoth and M. W. P. Savelsbergh. A computational study of search strategies formixed integer programming. INFORMS Journal on Computing, 11(2):173–187, Feb.1999.

31.   C. Lund and M. Yannakakis. On the hardness of approximating minimization problems.Journal of the ACM, 41(5):960–981, 1994.

32.   H. Marchand, A. Martin, R. Weismantel, and L. Wolsey. Cutting planes in integerand mixed integer programming. Discrete Applied Mathematics, 123(1):397–446, Nov.2002.

33.   S. Martello and P. Toth. Knapsack problems: Algorithms and Computer Implementations. Wiley, Chichester, 1990

34.   R. Mathar and T. Niessen. Optimum positioning of base stations for cellular radionetworks. Wireless Networks, 6(6):421–428, 2000.

35.   F. F. Mazzini, G. R. Mateus, and J. M. Smith. Lagrangean based methods for solvinglarge-scale cellular network design problems. Wireless Networks, 9:659–672, 2003.

36.   L. Mendo and J. M. Hernando. On dimension reduction for the power control problem.IEEE Transactions on Communications, 49(2):243–248, Feb. 2001.

37.   J. E. Mitchell. Handbook of Applied Optimization, chapter Branch-and-Cut Algorithmsfor Combinatorial Optimization Problems, pages 65–77. Oxford University Press, 2002.

38.   J. Mitola. The software radio architecture. IEEE Communications Magazine, 33(5):26–38, May 1995.

39.   K. Mnif, B. Rong, and M. Kadoch. Virtual backbone based on MCDS for topologycontrol in wireless ad hoc networks. In Proc. of the 2nd ACM Intl. Workshop onPerformance Evaluation of Wireless Ad Hoc, Sensor, and Ubiquitous Networks, pages230–233, 2005.

40.   A. Muqattash, T. Shu, and M. Krunz. On the performance of joint rate/power controlwith adaptive modulation in wireless CDMA networks. In Proc. of the 25th AnnualJoint Conference of the IEEE Computer and Communications Societies (INFOCOM2006), pages 1–12, Apr. 2006.

41.   M. Naghshineh and I. Katzela. Channel assignment schemes for cellular mobile telecommunication systems: A comprehensive survey. IEEE Personal Communications, 3:10–31, June 1996.

42.   M. Nawrocki, H. Aghvami, and M. Dohler, editors. Understanding UMTS Radio Network Modelling, Planning and Automated Optimisation: Theory and Practice. JohnWiley & Sons, Apr. 2006.

43.   G. L. Nemhauser and L. A. Wolsey. Integer and Combinatorial Optimization. Wiley,1988.

44.   S. Rajasekaran. Encyclopedia of Optimization, chapter Randomization in Discrete Optimization: Annealing Algorithms. Oxford University Press, 2001.

45.   J. Razavilar, K. J. R. Liu, and S. I. Marcus. Optimal rate control in wireless networkswith fading channels. In Proc. of the 49th IEEE Vehicular Technology Conference(VTC '99), pages 807–811, 1999.

46.   C. R. Reeves and J. E. Rowe. Genetic Algorithms, Principles and Perspectives: AGuide to GA Theory, volume 20 of Operations Research/Computer Science InterfacesSeries. Kluwer, 2002.

47.   I. Rhee, A. Warrier, J. Min, and L. Xu. DRAND: Distributed randomized TDMAscheduling for wireless ad-hoc networks. In Proc. of the seventh ACM Intl. Symposiumon Mobile Ad Hoc Networking and Computing (MobiHoc '06), pages 190–201. ACMPress, May 2006.

48.   C. Roos, T. Terlaky, and J.-P. Vial. Theory and Algorithms for Linear Optimization:An Interior point Approach. Wiley, 1997.

49.   T. Salonidis and L. Tassiulas. Asynchronous TDMA ad hoc networks: Scheduling andperformance. European Transactions on Telecommunications, 15(4):391–403, 2004.

50.   Y. Shang and S. Cheng. Networking and Mobile Computing, volume 3619 of LectureNotes in Computer Science, chapter An Enhanced Packet Scheduling Algorithm forQoS Support in IEEE 802.16 Wireless Network, pages 652–661. Springer, Berlin, 2005.

51.   H. D. Sherali, M. Pendyala, and T. Rappaport. Optimal location of transmitters formicro-cellular radio communication system design. IEEE Journal on Selected Areas inCommunications, 14(4):662–673, 1996.

52.   G. Sierksma. Integer and Linear Programming: Theory and Practice. Marcel Dekker,1996.

53.   R. N. Tomastik, P.B. Luh, and D. Zhang. A reduced-complexity bundle method formaximizing concave nonsmooth functions. In Proc. of the 35th IEEE Conference onDecision and Control, pages 2114–2119, Dec. 1996.

54.   K. Tutschku. Demand-based radio network planning of cellular mobile communicationsystems. In Proc. of the 17th Annual Joint Conference of the IEEE Computer andCommunications Societies (INFOCOM '98), pages 1054–1061, Apr. 1998.

55. R. L. M. J. van de Leensel, C. P. M. van Hoesel, and J. J. van de Klundert. Lifting valid inequalities for the precedence constrained knapsack problem. MathematicalProgramming, 86(1):1436–4646, Sep. 1999.

56. R. J. Vanderbei. Linear Programming: Foundations and Extensions. Kluwer, Boston,1996.

57. V. Cerny. A thermodynamical approach to the travelling salesman problem: An efficient ˇsimulation algorithm. Journal of Optimization Theory and Applications, 45:41–51,1985.

58. Y. Wu, P. A. Chou, and S.-Y. Kung. Minimum-energy multicast in mobile ad hocnetworks using network coding. In Proc. of IEEE Information Theory Workshop, pages304–309, Oct. 2004.

59. X. Zhao, P. B. Luh, and J. Wang. The surrogate gradient algorithm for Lagrangianrelaxation method. In Proc. of the 36th IEEE Conference on Decision and Control,pages 305–310, 1997.

60. I. F. Akyildiz, X. Wangb, and W. Wangb. Wireless mesh networks: a survey. ComputerNetworks, 47(4):445–487, March 2005.

61. I. F. Akyildiz, S. Weilian, Y. Sankarasubramaniam, and E. Cayirci. A survey on sensornetworks. IEEE Communications Magazine, 40(8):102–114, Aug. 2002.

62. K. M. Alzoubi, P.-J. Wan, and O. Frieder. Distributed heuristics for connected dominating sets in wireless ad hocnetworks. Journal of Communications and Networks, 4:22–29,2002.

63. K. M. Alzoubi, P.-J. Wan, and O. Frieder. Message-optimal connected dominating setsin mobile ad hoc networks. In Proc. of the Third ACM Intl. Symposium on Mobile AdHoc Networking andComputing (MobiHoc '02), pages 157–164, June 2002.

64. K. M. Alzoubi, P.J. Wan, and O. Frieder. New distributed algorithm for connected dominating set in wireless ad hocnetworks. In Proc. of the 35th Annual Hawaii InternationalConference on System Sciences(HICSS '02), 2002.

65.   C. Ambuhl, A. E. F. Clementi, M. Di Ianni, G. Rossi, and A. Montiand R. Silvestri.The range assignment problem in non-homogeneous static ad-hoc networks. In Proc. ofthe 18th International Parallel and Distributed Processing Symposium, Apr. 2004.

66.   L. Bao and J. J. Garcia-Luna-Aceves. Topology management in ad hoc networks. InProc. of the Fourth ACM Intl. Symposium on Mobile Ad Hoc Networkingand Computing(MobiHoc '03), pages 129–140, June 2003.

67.   S. Basagni, S. Mastrogiovanni, and C. Petrioli. A performance comparison of protocolsfor clustering and backbone formationin large scale ad hoc networks. In Proc. of the firstIEEE Intl. Conference on Mobile Ad-hoc and Sensor Systems(MASS '04), pages 70–79,Oct. 2004.

68.   *Coffman E.G., Garey M.R., Johnson D.S.,* 1984, Approximation algorithms for bin-packing. An updated survey // Algorithm Design for Computer System Design. CISM courses and lectures № 284, pp. 49-106.

69.   J. Blum, M. Ding, A. Thaeler, and X. Cheng. chapter Connected dominating set insensor networks and MANETs, pages 329–369. Springer US, 2005.