































- [5] Li CT, Shan MK, Lin SD. On team formation with expertise query in collaborative social networks. *Knowledge and Information Systems*, 2015,42(2):441–463. [doi: 10.1007/s10115-013-0695-x]
- [6] Kargar M, Zihayat M, An A. Finding affordable and collaborative teams from a network of experts. In: *Proc. of the SIAM Int'l Conf. on Data Mining (SDM)*. 2013. 587–595. [doi: 10.1137/1.9781611972832.65]
- [7] Majumder A, Datta S, Naidu KVM. Capacitated team formation problem on social networks. In: Schaik BV, ed. *Proc. of the 18th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining*. New York: ACM Press, 2012. 1005–1013. [doi: 10.1145/2339530.2339690]
- [8] Kargar M, An A, Zihayat M. Efficient bi-objective team formation in social networks. In: Flach PA, Bie T, Cristianini N, eds. *Proc. of the 2012 European Conf. on Machine Learning & Knowledge Discovery in Databases*. Berlin: Springer-Verlag, 2012. 483–498. [doi: 10.1007/978-3-642-33486-3\_31]
- [9] Farhadi F, Sorkhi M, Hashemi S, Hamzeh A. An effective expert team formation in social networks based on skill grading. In: Tchicaya A, Lorentz N, eds. *Proc. of the 2011 IEEE 11th Int'l Conf. on Data Mining Workshops (ICDMW)*. New York: IEEE, 2011. 366–372. [doi: 10.1109/ICDMW.2011.28]
- [10] Li CT, Shan MK. Team formation for generalized tasks in expertise social networks. In: Adlarson P, Amarian M, Bashkanov M, eds. *Proc. of the 2010 IEEE 2nd Int'l Conf. on Social Computing (SocialCom)*. New York: IEEE, 2010. 9–16. [doi: 10.1109/SocialCom.2010.12]
- [11] Liemhetcharat S, Veloso M. Weighted synergy graphs for effective team formation with heterogeneous ad hoc agents. *Artificial Intelligence*, 2014,208:41–65. [doi: 10.1016/j.artint.2013.12.002]
- [12] Awal GK, Bharadwaj KK. Team formation in social networks based on collective intelligence—An evolutionary approach. *Applied Intelligence*, 2014,41(2):627–648. [doi: 10.1007/s10489-014-0528-y]
- [13] Durfee EH, Lesser VR. Partial global planning: A coordination framework for distributed hypothesis formation. *IEEE Trans. on Systems Man & Cybernetics*, 1991,21(5):1167–1183. [doi: 10.1109/21.120067]
- [14] Hong Y, Pavlou PA. Online labor markets: An informal freelancer economy. *IBIT Report, Online Labor Markets: An Informal Economy*, 2013. [doi: 10.2139/ssrn.2132869]
- [15] Kokkosis M, Papadimitriou P, Ipeirotis PG. Hiring behavior models for online labor markets. In: Cheng X, Li H, Tang J, eds. *Proc. of the 8th ACM Int'l Conf. on Web Search and Data Mining*. New York: ACM Press, 2015. 223–232. [doi: 10.1145/2684822.2685299]
- [16] Mason W, Watts DJ. Financial incentives and the performance of crowds. *ACM SIGKDD Explorations Newsletter*, 2010,11(2): 100–108. [doi: 10.1145/1809400.1809422]
- [17] Pallais A. Inefficient hiring in entry-level labor markets. *American Economic Review*, 2012,104(11):3565–3599. [doi: 10.2139/ssrn.2012131]
- [18] Golshan B, Lappas T, Terzi E. Profit-Maximizing cluster hires. In: *Proc. of the 20th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining*. New York: ACM Press, 2014. 1196–1205. [doi: 10.1145/2623330.2623690]
- [19] Contractor N. Some assembly required: Leveraging Web science to understand and enable team assembly. *Philosophical Trans. of the Royal Society of London A: Mathematical, Physical and Engineering Sciences*, 2013,371(1987):20120385. [doi: 10.1098/rsta.2012.0385]
- [20] Cummings JN, Kiesler S. Coordination costs and project outcomes in multi-university collaborations. *Research Policy*, 2007,36(10): 1620–1634. [doi: 10.1016/j.respol.2007.09.001]
- [21] Krumke SO, Thielen C. The generalized assignment problem with minimum quantities. *European Journal of Operational Research*, 2013,228(1):46–55. [doi: 10.1016/j.ejor.2013.01.027]
- [22] Sozio M, Gionis A. The community-search problem and how to plan a successful cocktail party. In: Rao B, Krishnapuram B, Tomkins A, eds. *Proc. of the 16th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining*. New York: ACM Press, 2010. 939–948. [doi: 10.1145/1835804.1835923]
- [23] Li RH, Qin L, Yu JX, Mao R. Influential community search in large networks. *Proc. of the VLDB Endowment*, 2015,8(5):509–520. [doi: 10.14778/2735479.2735484]
- [24] Chen SJG, Lin L. Modeling team member characteristics for the formation of a multifunctional team in concurrent engineering. *IEEE Trans. on Engineering Management*, 2004,51(2):111–124. [doi: 10.1109/TEM.2004.826011]
- [25] Zzkarian A, Kusiak A. Forming teams: An analytical approach. *IIE Trans.*, 1999,31(1):85–97. [doi: 10.1023/A:1007580823003]
- [26] Fitzpatrick EL, Askin RG. Forming effective worker teams with multi-functional skill requirements. *Computers & Industrial Engineering*, 2005,48(3):593–608. [doi: 10.1016/j.cie.2004.12.014]

- [27] Agustin-Blas LE, Salcedo-Sanz S, Ortiz-Garcia EG, Portilla-Figueras A, Perez-Bellido AM, Jimenez-Fernandez S. Team formation based on group technology: A hybrid grouping genetic algorithm approach. *Computers & Operations Research*, 2011,38(2): 484–495. [doi: 10.1016/j.cor.2010.07.006]
- [28] Joshi MV, Han EHS, Karypis G, Kumar V. Efficient parallel algorithms for mining associations. In: Zaki MJ, Ho CT, eds. *Proc. of the Large-Scale Parallel Data Mining 2002*. New York: Springer-Verlag, 2002. 83–126. [doi: 10.1007/3-540-46502-2\_5]
- [29] Anagnostopoulos A, Becchetti L, Castillo C, Gionis A, Leonardi S. Power in unity: Forming teams in large-scale community systems. In: Huang J, ed. *Proc. of the 19th ACM Int'l Conf. on Information and Knowledge Management*. New York: ACM Press, 2010. 599–608. [doi: 10.1145/1871437.1871515]
- [30] Skopik F, Truong HL, Dustdar S. *Trust and Reputation Mining in Professional Virtual Communities*. Berlin, Heidelberg: Springer-Verlag, 2009. 76–90. [doi: 10.1007/978-3-642-02818-2\_6]
- [31] Granovetter M. The strength of weak ties: A network theory revisited. *Sociological Theory*, 1983,1(6):201–233. [doi: 10.2307/202051]
- [32] Backstrom L, Huttenlocher D, Kleinberg J, Lan X. Group formation in large social networks: Membership, growth, and evolution. In: Chairungar G, Lyle, Chaircraven P, eds. *Proc. of the 12th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining*. New York: ACM Press, 2006. 44–54. [doi: 10.1145/1150402.1150412]
- [33] Leskovec J, Huttenlocher D, Kleinberg J. Predicting positive and negative links in online social networks. In: Rappa M, Jones P, Freire J, eds. *Proc. of the 19th Int'l Conf. on World Wide Web*. New York: ACM Press, 2010. 641–650. [doi: 10.1145/1772690.1772756]
- [34] Xiang R, Neville J, Rogati M. Modeling relationship strength in online social networks. In: Rappa M, Jones P, Freire J, eds. *Proc. of the 19th Int'l Conf. on World Wide Web*. New York: ACM Press, 2010. 981–990. [doi: 10.1145/1772690.1772790]
- [35] Agarwal V, Bharadwaj KK. A collaborative filtering framework for friends recommendation in social networks based on interaction intensity and adaptive user similarity. *Social Network Analysis and Mining*, 2013,3(3):359–379. [doi: 10.1007/s13278-012-0083-7]
- [36] Gajewar A, Sarma AD. Multi-Skill collaborative teams based on densest subgraphs. In: *Proc. of the Computer Science*. 2011. 1077–1088. [doi: 10.1137/1.9781611972825.15]
- [37] Arkiny EM, Hassinz R. Minimum diameter covering problems. *Networks*, 2000,36(3):147–155. [doi: 10.1002/1097-0037(200010)36:3<147::AID-NET1>3.0.CO;2-M]
- [38] Yu Y, Wang Y, Liu XM, Chen J. Workflow task assignment strategy based on social context. *Ruan Jian Xue Bao/Journal of Software*, 2015,26(3):562–573 (in Chinese with English abstract). <http://www.jos.org.cn/1000-9825/4766.htm> [doi: 10.13328/j.cnki.jos.004766]
- [39] Sun H, Jin M, Liu J, Yu G. Methods for team formation problem with grouping task in social networks. *Journal of Computer Research and Development*, 2015,52(11):2535–2544 (in Chinese with English abstract). [doi: 10.7544/issn1000-1239.2015.20148136]
- [40] Jäschke R, Hotho A, Schmitz C, Stumme G. Analysis of the Publication Sharing Behaviour in BibSonomy. In: *Conceptual Structures: Knowledge Architectures for Smart Applications*. 2007. 283–295. [doi: 10.1007/978-3-540-73681-3\_21]
- [41] Benz D, Hotho A, Jäschke R, Krause B, Mitzlaff F. The social bookmark and publication management system bibsonomy. *The VLDB Journal—The Int'l Journal on Very Large Data Bases*, 2010,19(6):849–875. [doi: 10.1007/s00778-010-0208-4]
- [42] Li K, Lu W, Bhagat S, Bhagat S, Lakshmanan LVS. On social event organization. In: *Proc. of the 20th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining*. New York: ACM Press, 2014. 1206–1215. [doi: 10.1145/2623330.2623724]
- [43] She J, Tong Y, Chen L. Utility-Aware social event-participant planning. In: Sellis TK, Davidson SB, eds. *Proc. of the 2015 ACM SIGMOD Int'l Conf. on Management of Data*. New York: ACM Press, 2015. 1629–1643. [doi: 10.1145/2723372.2749446]
- [44] Shuai HH, Yang DN, Yu PS, Chen MS. Willingness optimization for social group activity. *Proc. of the VLDB Endowment*, 2013, 7(4):253–264. [doi: 10.14778/2732240.2732244]
- [45] Shuai HH, Yang DN, Yu PS, Chen MS. Scale-Adaptive group optimization for social activity planning. In: *Proc. of the Computer Science*. 2015. 45–57. [doi: 10.1007/978-3-319-18038-0\_4]
- [46] Feng K, Cong G, Bhowmick SS, Ma S. In search of influential event organizers in online social networks. In: Dyreson C, Li F, Özsü MT, eds. *Proc. of the 2014 ACM SIGMOD Int'l Conf. on Management of Data*. New York: ACM Press, 2014. 63–74. [doi: 10.1145/2588555.2612173]
- [47] Shuai HH, Yang DN, Yu PS, Chen MS. A comprehensive study on willingness maximization for social activity planning with quality guarantee. *IEEE Trans. on Knowledge and Data Engineering*, 2016,28(1):2–16. [doi: 10.1109/TKDE.2015.2468728]



- [48] Guo B, Yu Z, Chen L, Zhou X. MobiGroup: Enabling lifecycle support to social activity organization and suggestion with mobile crowd sensing. *IEEE Trans. on Human-Machine Systems*, 2015. 1–13. [doi: 10.1109/THMS.2015.2503290]
- [49] Seo J, Croft WB, Smith DA. Online community search using conversational structures. *Information Retrieval*, 2011,14(6):547–571. [doi: 10.1007/s10791-011-9166-8]
- [50] Huang X, Lakshmanan LVS, Yu JX, Cheng H. Approximate closest community search in networks. *Proc. of the VLDB Endowment*, 2015,9(4):276–287. [doi: 10.14778/2856318.2856323]
- [51] Barbieri N, Bonchi F, Galimberti E, Gullo F. Efficient and effective community search. *Data Mining and Knowledge Discovery*, 2015,29(5):1406–1433. [doi: 10.1007/s10618-015-0422-1]
- [52] Cui W, Xiao Y, Wang H, Wang W. Local search of communities in large graphs. In: Dyreson C, Li F, Özsu MT, eds. *Proc. of the 2014 ACM SIGMOD Int'l Conf. on Management of Data*. New York: ACM Press, 2014. 991–1002. [doi: 10.1145/2588555.2612179]
- [53] Tong H, Faloutsos C. Center-Piece subgraphs: Problem definition and fast solutions. In: Chairungar G, Chaircraven P, Chairgunopulos P, eds. *Proc. of the 12th ACM SIGKDD Int'l Conf. on Knowledge Discovery and Data Mining*. New York: ACM Press, 2006. 404–413. [doi: 10.1145/1150402.1150448]
- [54] Kim SY, Choi DW, Chung CW. Finding a friendly community in social networks considering bad relationships. *The Computer Journal*, 2015,58(6):1469–1481. [doi: 10.1093/comjnl/bxu092]
- [55] Wang L, Lou T, Tang J, Hopcroft JE. Detecting community kernels in large social networks. In: Tchicaya A, Lorentz N, eds. *Proc. of the 2011 IEEE 11th Int'l Conf. on Data Mining (ICDM)*. New York: IEEE, 2011. 784–793. [doi: 10.1109/ICDM.2011.48]

## 附中文参考文献:

- [38] 余阳,王颖,刘醒梅,陈健. 基于社会关系的工作流任务分派策略研究. *软件学报*, 2015,26(3):562–573. <http://www.jos.org.cn/1000-9825/4766.htm> [doi: 10.13328/j.cnki.jos.004766]
- [39] 孙焕良,金铭宇,刘俊岭,于戈. 社会网络上支持任务分组的团队形成方法. *计算机研究与发展*, 2015,52(11):2535–2544. [doi: 10.7544/issn1000-1239.2015.20148136]



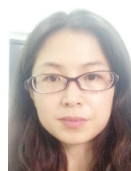
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