[12] M. Barshan, H. Moens, B. Volckaert, and F. De Turck, "A comparative analysis of flexible and fixed size timeslots for advance bandwidth reservations in media production networks," *2016 7th Int. Conf. Netw. Futur. NOF 2016*, 2017, doi: 10.1109/NOF.2016.7810118.

[13] M. Barshan, H. Moens, J. Famaey, and F. De Turck, "Deadline-aware advance reservation scheduling algorithms for media production networks," *Comput. Commun.*, vol. 77, no. 2015, pp. 26–40, 2016, doi: 10.1016/j.comcom.2015.10.016.

[14] B. Li, Y. Pei, H. Wu, and B. Shen, "Resource availability-aware advance reservation for parallel jobs with deadlines," *J. Supercomput.*, vol. 68, no. 2, pp. 798–819, 2014, doi: 10.1007/s11227-013-1067-8.

[15] C. Castillo, G. N. Rouskas, and K. Harfoush, "Online algorithms for advance resource reservations," *J. Parallel Distrib. Comput.*, vol. 71, no. 7, pp. 963–973, 2011, doi: 10.1016/j.jpdc.2011.01.003.

[16] F. Camillo, E. Caron, R. Guivarch, A. Hurault, C. Klein, and C. Pérez, "Resource management architecture for fair scheduling of optional computations," *Proc. - 2013 8th Int. Conf. P2P, Parallel, Grid, Cloud Internet Comput. 3PGCIC 2013*, pp. 113–120, 2013, doi: 10.1109/3PGCIC.2013.23.

[17] E. Gomes and M. A. R. Dantas, "Towards a resource reservation approach for an opportunistic computing environment," *J. Phys. Conf. Ser.*, vol. 540, no. 1, 2014, doi: 10.1088/1742-6596/540/1/012002.

[18] R. Umar, A. Agarwal, and C. R. Rao, "Advance Planning and Reservation in a Grid System," *Commun. Comput. Inf. Sci.*, vol. 293 PART 1, pp. 161–173, 2012, doi: 10.1007/978-3-642-30507-8_15.

[19] L. Grandinetti, F. Guerriero, L. Di Puglia Pugliese, and M. Sheikhalishahi, "Heuristics for the local grid scheduling problem with processing time constraints," *J. Heuristics*, vol. 21, no. 4, pp. 523–547, 2015, doi: 10.1007/s10732-015-9287-0.

[20] A. Mishra, "An enhanced and effective preemption based scheduling for grid computing enabling backfilling technique," *Conf. Proceeding - 2015 Int. Conf. Adv. Comput. Eng. Appl. ICACEA 2015*, pp. 1015–1018, 2015, doi: 10.1109/ICACEA.2015.7164855.

[21] R. Istrate, A. Poenaru, and F. Pop, "Advance reservation system for datacenters," *Proc. - Int. Conf. Adv. Inf. Netw. Appl. AINA*, vol. 2016-May, pp. 637–644, 2016, doi: 10.1109/AINA.2016.106.

[22] A. Sulistio *et al.*, "An Adaptive Scoring Job Scheduling algorithm for grid computing," *Lect. Notes Comput. Sci. (including Subser. Lect. Notes Artif. Intell. Lect. Notes Bioinformatics)*, vol. 5, no. 1, pp. 68–72, 2015, doi: 10.1177/1094342006068414.

[23] O. Dakkak, S. Awang Nor, and S. Arif, "Scheduling through backfilling technique for HPC applications in grid computing environment," *ICOS 2016 - 2016 IEEE Conf. Open Syst.*, pp. 30–35, 2017, doi: 10.1109/ICOS.2016.7881984.

[24] S. Leonenkov and S. Zhumatiy, "Introducing New Backfill-based Scheduler for SLURM Resource Manager," *Procedia Comput. Sci.*, vol. 66, pp. 661–669, 2015, doi: 10.1016/j.procs.2015.11.075.

[25] A. Shukla, S. Kumar, and H. Singh, "An improved resource allocation model for grid computing environment," *Int. J. Intell. Eng. Syst.*, vol. 12, no. 1, pp. 104–113, 2019, doi: 10.22266/IJIES2019.0228.11.

[26] A. Pujiyanta, L. E. Nugroho, and Widyawan, "Planning and Scheduling Jobs on Grid Computing," *Proceeding - 2018 Int. Symp. Adv. Intell. Informatics Revolutionize Intell. Informatics Spectr. Humanit. SAIN 2018*, pp. 162–166, 2019, doi: https://doi.org/10.1109/SAIN.2018.8673372.

[27] M. Carvalho and F. Brasileiro, "A user-based model of grid computing workloads," in *2012 ACM/IEEE 13th International Conference on Grid Computing*, 2012, pp. 40–48, doi: 10.1109/Grid.2012.13.

[28] A. Hirales-Carbajal, J.-L. González-García, and A. Tchernykh, "Workload Generation for Trace Based Grid Simulations," in *Procedding of the Ist international supercomputer conference in Mexico ISUM.*, 2010, pp. 1–9.

[29] A. Iosup, D. H. J. Epema, J. Maassen, and R. Van Nieuwpoort, "Synthetic grid workloads with Ibis, KOALA, and GRENCHMARK," in *Integrated Research in GRID Computing - CoreGRID Integration Workshop 2005, Selected Papers*, 2007, pp. 271–283, doi: 10.1007/978-0-387-47658-2_20.

[30] B. Barzegar, A. M. Rahmani, K. Zamanifar, and A. Divsalar, "Gravitational emulation local search algorithm for advanced reservation and scheduling in grid computing systems," *ICCIT 2009 - 4th Int. Conf. Comput. Sci. Converg. Inf. Technol.*, pp. 1240–1245, 2009, doi: 10.1109/ICCIT.2009.319.