



















- Vol. 37, No. 4, pp. 461–472. DOI: [10.1109/TSMCC.2007.897339](https://doi.org/10.1109/TSMCC.2007.897339)
- [16] Wu N.Q., Zhou M.C., Chu F. (2005). Short-term scheduling for refinery process: bridging the gap between theory and applications, *Int. J. Intelligent Control Systems*, Vol. 10, No. 2, pp. 162–174. DOI: [10.1109/icsmc.2006.384561](https://doi.org/10.1109/icsmc.2006.384561)
- [17] Wu N.Q., Zhou M.C., Chu F., Qian Y.M. (2006). Issues on short term scheduling of oil refinery, in Proc. 2006 *IEEE International Conference on Systems, Man, & Cybernetics*, Taiwan, pp. 2920–2925.
- [18] Wu N.Q., Zhou M.C., Chu F. (2008). A Petri net based heuristic algorithm for realizability of target refining schedule for oil refinery, *IEEE Trans. on Automation Science Engineering*, Vol. 5, No. 4, pp. 661–676. DOI: [10.1109/TASE.2008.916737](https://doi.org/10.1109/TASE.2008.916737)
- [19] Wu N.Q., Chu F., Chu C.B., Zhou M.C. (2008). Short-term schedulability analysis of crude oil operations in refinery with oil residency time constraint using Petri net, *IEEE Trans. on Systems, Man, & Cybernetics, Part C*, Vol. 38, No. 6, pp. 765–778. DOI: [10.1109/TSMCC.2008.2001688](https://doi.org/10.1109/TSMCC.2008.2001688)
- [20] Wu N.Q., Chu F., Chu C.B., Zhou M.C. (2008). Short-term schedulability analysis of crude oil operations in refinery with hybrid Petri net, in Proc. 2008 *IEEE International Conference on Systems, Man, & Cybernetics*, Singapore, pp. 1916–1921.
- [21] Wu N.Q., Chu F., Chu C.B., Zhou M.C. (2009). Short-term schedulability analysis of multiple distiller crude oil operations in refinery with oil residency time constraint, *IEEE Trans. on Systems, Man, & Cybernetics, Part C*, Vol. 39, No. 1, pp. 1–16. DOI: [10.1109/TSMCC.2008.2001709](https://doi.org/10.1109/TSMCC.2008.2001709)
- [22] Wu N.Q., Zhou M.C. (2009). *System Modeling and Control with Resource-Oriented Petri Nets*, New York: CRC Press, Taylor & Francis Group.
- [23] Ierapetritou M.G., Floudas C.A. (1998). Effective continuous-time formulation for short-term scheduling, 1. Multipurpose batch processes, *Industrial & Engineering Chemistry Research*, Vol. 37, pp. 4341–4359. DOI: [10.1021/ie970927g](https://doi.org/10.1021/ie970927g)
- [24] Ierapetritou M.G., Floudas C.A. (1998). Effective continuous-time formulation for short-term scheduling. 2. Continuous and semicontinuous processes, *Industrial & Engineering Chemistry Research*, Vol. 37, pp. 4360–4374. DOI: [10.1021/ie9709289](https://doi.org/10.1021/ie9709289)
- [25] Mendez C.A., Cerda J. (2003). Dynamic scheduling in multiproduct batch plants, *Computers & Chemical Engineering*, Vol. 27, pp. 1247–1259. DOI: [10.1016/s0098-1354\(03\)00050-4](https://doi.org/10.1016/s0098-1354(03)00050-4)
- [26] Moro L.F.L. (2003). Process technology in the petroleum refining industry—current situation and future trends, *Computers & Chemical Engineering*, Vol. 27, pp. 1303–1305. DOI: [10.1016/s0098-1354\(03\)00054-1](https://doi.org/10.1016/s0098-1354(03)00054-1)
- [27] Pinto J.M., Grossmann I.E. (1997). A logic-based approach to scheduling problem with resource constraints, *Computers & Chemical Engineering*, Vol. 21, pp. 801–818. DOI: [10.1016/s0098-1354\(96\)00318-3](https://doi.org/10.1016/s0098-1354(96)00318-3)
- [28] Shobrys D.E., White D.C. (2000). Planning, scheduling and control systems: why can they not work together, *Computers & Chemical Engineering*, Vol. 24, pp. 63–173. DOI: [10.1016/s0098-1354\(00\)00508-1](https://doi.org/10.1016/s0098-1354(00)00508-1)
- [29] Gabbar H.A. (2007). Synthesis of parallel operation for enhanced chemical plant operation, *IEEE Trans. on Systems, Man, & Cybernetics, Part C*, Vol. 37, No. 4, pp. 703–711. DOI: [10.1109/TSMCC.2007.897441](https://doi.org/10.1109/TSMCC.2007.897441)
- [30] Kallrath J. (2002). Planning and scheduling in the process industry. *OR Spectrum*, Vol. 24, pp. 219–250.
- [31] Baptiste P., Le Pape C., Nuijten W. (2001). *Constraint-Based Scheduling: Applying Constraint Programming to Scheduling Problems*, Kluwer Academic Publishers: Norwell, MA.
- [32] Floudas C.A., Lin X. (2004). Continuous-time versus discrete-time approaches for scheduling of chemical processes: a review, *Computers & Chemical Engineering*, Vol. 28, pp. 2109–2129. DOI: [10.1016/j.compchemeng.2004.05.002](https://doi.org/10.1016/j.compchemeng.2004.05.002)
- [33] Mendez C.A., Grossmann I.E., Harjunkski I., Kabore P. (2006). A simultaneous optimization approach for off-line blending and scheduling of oil-refinery operations, *Computers & Chemical Engineering*, Vol. 30, pp. 614–634. DOI: [10.1016/j.compchemeng.2005.11.004](https://doi.org/10.1016/j.compchemeng.2005.11.004)
- [34] Kondili E., Pantelides C.C., Sargent R.W.H. (1993). A general algorithm for short-term scheduling of batch operations. I: MILP formulation, *Computers & Chemical Engineering*, Vol. 17, pp. 211–227. DOI: [10.1016/0098-1354\(93\)80015-f](https://doi.org/10.1016/0098-1354(93)80015-f)
- [35] Pantelides C.C. (1994). Unified frameworks for optimal process planning and scheduling, *Proc. Second Int. Conf. Found. Computer-Aided Process Operat.*, pp. 253–274.
- [36] Zhang X., Sargent R.W.H. (1998). The optimal operation of mixed production facilities - extensions and improvements, *Computers & Chemical Engineering*, Vol. 22, pp. 1287–1295.
- [37] Schilling G., Pantelides C.C. (1996). A simple continuous-time process scheduling formulation and a novel solution algorithm, *Computers & Chemical Engineering*, Vol. 20, pp. S1221–S1226.
- [38] Mouret S., Grossmann I., Pestiaux P. (2009). A novel priority-slot based continuous-time formulation for crude-oil scheduling problems, *Industrial and Engineering Chemistry Research*, Vol. 48, No. 18, pp. 8515–8528. DOI: [10.1021/ie8019592](https://doi.org/10.1021/ie8019592)