References

- Basile F, Chiacchio P, De Tommasi G (2009) An efficient approach for online diagnosis of discrete event systems. IEEE T Automat Contr 54(4):748–759
- Basilio J-C, Lafortune S (2009) Robust codiagnosability of discrete event systems. American Control Conference, pp 2202–2209
- 3. Basilio J-C, Souza Lima S-T, Lafortune S, Moreira M-V (2012) Computation of minimal event bases that ensure diagnosability. Discrete Event Dyn Syst 22(3):249–292
- 4. Boel R-K, Van Schuppen J-H (2002) Decentralized failure diagnosis for discrete-event systems with costly communication between diagnosers. 6th International Workshop on Discrete Event Systems, pp 175–181
- 5. Cassandra C-G, Lafortune S (2008) Introduction to Discrete Event Systems, 2nd edn. Springer, New York Inc
- 6. Cabasino M-P, Giua A-N, Seatzu C (2010) Fault detection for discrete event systems using Petri nets with unobservable transitions. Automatica 46(9):1531–1539
- 7. Cassez F, Tripakis S (2008) Fault diagnosis with static and dynamic observers. Fundamenta Informaticae 88(4):497–540
- Contant O, Lafortune S, Teneketzis D (2006) Diagnosability of discrete event systems with modular structure. Discrete Event Dyn Syst 16:9–37
- Cordier M-O, Grastien A (2007) Exploiting independence in a decentralised and incremental approach of diagnosis. 20th International Joint Conference on Artificial Intelligence, pp 292–297
- Cordier M-C, Le Guillou X, Robin S, Roze L, Vidal T (2007) Distributed chronicles for on-line diagnosis of web services. 18th International Worshop on Principles of Diagnosis, pp 37–44
- 11. Darkhovski B, Staroswiecki M (2003) Theoretic approach to decision in FDI. IEEE T Automat Contr 48(5):853–858
- 12. Debouk R, Lafortune S, Teneketzis D (2000) Coordinated decentralized protocols for failure diagnosis of discrete event systems. Discrete Event Dyn Syst 10(1–2):33–86
- 13. Devillez A, Sayed Mouchaweh M, Billaudel P (2004) A process monitoring module based on fuzzy logic and Pattern Recognition. Int J Approx Reason 37(1):43–70
- Dotoli M, Fanti M, Mangini A (2009) Fault detection of DES by petri nets and integer linear programming. Automatica 45(11):2665–2672
- 15. Duda R-O, Hart P-E, Stork D-E (2001) Pattern classification, 2nd edn. Wiley, New York
- 16. Fabre E, Benveniste A, Haar S, Jard C (2005) Distributed monitoring of concurrent and asynchronous systems. Discrete Event Dyn Syst 15(1):33–84
- 17. Garcia H-E, Yoo T-S (2005) Model-based detection of routing events in discrete flow networks. Automatica 41(4):583–594
- Genc S, Lafortune S (2003) Distributed diagnosis of discrete-event systems using Petri nets. International Conference on Application and Theory of Petri Nets, pp 316–336
- Hernandez-Flores E, Lopez-Mellado E, Ramirez-Trevino A (2011) Diagnosticability analysis of partially observable deadlock-free Petri nets. 3rd International Workshop on Dependable Control of Discrete Systems, pp 176–181

- Isermann R (2005) Model-based fault-detection and diagnosis: status and applications. Annu Rev Control 29:71–85
- Jackson P (1998) Introduction to expert systems. Addison-Wesley Longman Publishing Co. Inc., Boston
- 22. Jéron T, Marchand H, Pinchinat S, Cordier M-O (2006) Supervision patterns in discrete event systems. 17th International Workshop on Principal of Diagnosis, pp 117–124
- 23. Jiang S, Kumar R (2004) Failure diagnosis of discrete event systems with linear-time temporal logic specifications. IEEE T Automat Contr 49(6):934–945
- 24. Jiroveanu G, Boel R-K (2006) A distributed approach for fault detection and diagnosis based on time Petri nets. Math Comput Simulat 70(5):287–313
- Lamperti G, Zanella M (2008) On processing temporal observations in monitoring of discreteevent systems. Enterprise Inform Syst 3(3):135–146
- 26. Lin F (1994) Diagnosability of discrete event systems and its applications. Discrete Event Dynamic Systems. Kluwer Academic Publishers, Boston
- Lunze J, Schroder J (2004) Sensor and actuator fault diagnosis of systems with discrete inputs and outputs. IEEE T Syst Man Cyb 34(3):1096–1107
- Paoli A, Lafortune S (2005) Safe diagnosability for fault tolerant supervision of discrete-event systems. Automatica 41(8):1335–1347
- Pandalai D, Holloway L-E (2000) Template languages for fault monitoring of timed discrete event processes. IEEE T Automat Contr 45(5):868–882
- Patton R, Clark R-R, Frank M (2000) Issues of fault diagnosis for dynamic systems. Springer, Berlin
- 31. Pencolé Y (2000) Decentralized diagnoser approach: application to telecommunication networks. International Workshop on Principles of Diagnosis (DX'00), pp 185–192
- Pencolé Y (2004) Diagnosability analysis of distributed discrete event systems. European Conference on Artificial Intelligence, pp 43–47
- Pencolé Y, Cordier M-O (2005) A formal framework for the decentralised diagnosis of large scale discrete event systems and its application to telecommunication networks. Artif Intell 164(1–2):121–170
- 34. Perrow C (1984) Normal accidents: living with high risk technologies. Basic Books Inc., New York
- Philippot A, Sayed Mouchaweh M, Carré Ménétrier V, Riera B (2011) Generation of candidates' tree for the fault diagnosis of discrete event systems. Control Eng Pract 19(9):1002–1013
- Qiu W, Kumar R (2006) Decentralized failure diagnosis of discrete event systems. IEEE T Syst Man Cyb 36(2):628–643
- Ramirez-Trevino A, Ruiz-Beltran E, Rivera-Rangel I, Lopez-Mellado E (2007) Online fault diagnosis of discrete event systems: a Petri net-based approach. IEEE T Autom Sci Eng 4(1): 31–39
- Rozé L, Cordier M-O (2002) Diagnosing discrete-event systems: extending the "Diagnoser Approach" to deal with telecommunication networks. Discrete Event Dyn Syst 12(1):43–81
- Sampath M, Sengupta R, Lafortune S, Sinnamohideen K, Teneketzis D (1995) Diagnosability of discrete event systems. IEEE T Automat Contr 40(9):1555–1575
- 40. Sampath M, Lafortune S, Teneketzis D (1998) Active diagnosis of discrete event systems. IEEE T Automat Contr 43(7):908–929
- Sayed Mouchaweh M, Philippot A, Carre-Menetrier V (2008) Decentralized diagnosis by boolean discrete event system model: application on manufacturing systems. Taylor and Francis. Int J Prod Res 46(19):5469–5490
- Sayed Mouchaweh M (2010) Semi supervised classification method for dynamic applications. Fuzzy Set Syst 161:544–563
- 43. Sayed Mouchaweh M (2012) Decentralized fault free model approach for fault detection and isolation of discrete event systems. Eur J Control 18(1):1–12
- 44. Sengupta R (1998) Diagnosis and communications in distributed systems. International Workshop on Discrete Event Systems, pp 144–151

- 45. Sengupta R, Tripakis S (2002) Decentralized diagnosability of regular languages is undecidable. 40th IEEE Conference on Decision and Control, pp 423–428
- Su R, Wonham W-M (2005) Global and local consistencies in distributed fault diagnosis for discrete event systems. IEEE T Automat Contr 50(12):1923–1935
- 47. Takai S (2010) Robust failure diagnosis of partially observed discrete event systems. 10th International Workshop on Discrete Event Systems, pp 205–210.
- Thorsley D, Teneketzis D (2007) Active acquisition of information for diagnosis and supervisory control of DES. Discrete Event Dyn Syst 17:531–583
- 49. Wang Y, Yoo T-S, Lafortune S (2007) Diagnosis of discrete event systems using decentralized architectures. Discrete Event Dyn Syst 17(2):233–263
- 50. Zad S-H, Kwong R-H, Wonham W-M (2003) Fault Diagnosis in Discrete Event Systems: framework and model reduction. IEEE T Automat Contr 48(7):1199–1212
- 51. Zad S-H, Kwong R-H, Wonham W-M (2005) Fault diagnosis in discrete-event systems: incorporating timing information. IEEE T Automat Contr 50(7):1010–1015
- 52. Zhou C, Kumar R, Sreenivas R-S (2008) Decentralized modular diagnosis of concurrent discrete event systems. 9th International Workshop on Discrete Event Systems, pp 388–393