

**Nome:**

MODELAGEM DE SISTEMAS HÍBRIDOS

Créditos Aula: 4 crs. (64 h.)

**Ementa/Descrição:**

Histórico. Definições básicas. Análise de redes de Petri. Extensões às redes de Petri. Aplicações.

**Referências:**

- [1] C. G. Cassandras, S. Lafortune, "Introduction to Discrete Event Systems", Second Edition, Springer, 2008;
- [2] K. Jensen and L. M. Kristensen, "Coloured Petri Nets – Modelling and Validation of Concurrent Systems", Springer, 2009;
- [3] E. Villani, P. E. Miyagi and R. Valette, "Modelling and Analysis of Hybrid Supervisory Systems – a Petri Net Approach", Springer, 2007;
- [4] W. Penczek and A. Pó?rola, "Advances in Verification of Time Petri Nets and Timed Automata", Springer, 2006;
- [5] F. Bause, "Stochastic Petri Nets - An Introduction to the Theory", Bause and Kritzinger, 2002.
- [6] M. V. Iordache and P. J. Antsaklis, "Supervisory Control of Concurrent Systems - A Petri Net Structural Approach", Birkhäuser, 2006;
- [7] JENSEN, K. Coloured Petri Nets – basic concepts, analysis methods and practical use – vol. 1: basic concepts, Ver. 4. Springer-Verlag, Paris, 1992.
- [8] T. Murata. Petri Net: properties, analysis and applications. In Proceedings of the IEEE –vol. 77, num. 4, pages 541-500, 1989.
- [9] J. L. Peterson. Petri Net Theory and Modeling of Systems. Prentice-Hall, Inc., Englewood Cliffs, N.J., 1981.