List of publications

Cristian Vidraşcu

Papers at international conferences:

1. Cristian Vidraşcu. On dynamic properties of Petri nets. In *Proc. of the summer school Modelling and Verification of Parallel Processes – MOVEP'2000*, pages 239–243. IRCCyN, École Centrale de Nantes, Nantes, France, June 19–23, 2000. Student's paper.

2. Cristian Vidraşcu. On the invariant method for Petri nets. In *Proc. of the summer school Modelling and Verification of Parallel Processes – MOVEP'2002*, pages 423–428. IRCCyN, École Centrale de Nantes, Nantes, France, June 17–21, 2002. Student's paper.

3. Cristian Vidraşcu. Concurrency measures for Petri nets. In *Proc. of the* 6^{th} *school on Modelling and Verification of Parallel Processes – MOVEP'2004*, pages 34–39. Université Libre de Bruxelles, Bruxelles, Belgium, December 13–17, 2004. Student's paper.

4. Cristian Vidraşcu. T-invariants for jumping Petri nets. *Computer Science Journal of Moldova*, 9(3):350–368, 2001. Proc. of the 1^{st} Conference of the Mathematical Society of Moldova, Chişinău, Republic of Moldova, August 15–18, 2001.

5. Cristian Vidraşcu. Concurrency in Petri nets. In *Volumul Simpozionului Internaţional al Tinerilor Cercetători - Ediţia I*, pages 363–364. Academia de Studii Economice din Moldova, Chişinău, Republica Moldova, April 18–19, 2003.

6. Cristian Vidraşcu. Modelling and verification with Petri nets. In *Volumul Simpozionului Internaţional al Tinerilor Cercetători - Ediţia a II-a*, pages 32–34. Academia de Studii Economice din Moldova, Chişinău, Republica Moldova, April 29–30, 2004.

Papers at conferences hold in Romania:

1. Toader Jucan and Cristian Vidraşcu. Concurrency-degrees for Petri nets. In *Proc. of the* 1^{st} *Conference on Theoretical Computer Science and Informatics Technologies – CITTI 2000*, pages 108–114. "Ovidius" University of Constanţa, Romania, May 25–27, 2000.

2. Cristian Vidraşcu. Modular analysis of concurrency for jumping Petri nets. In *Proc. of the* 7^{th} *International Symposium on Symbolic and Numeric Algorithms for Scientific Computing – SYNASC 2005*, IEEE Computer Society Press, pages 374–381. The West University of Timişoara, Romania, September 25–29, 2005.

3. Cristian Vidraşcu. Modelling a CREW processes system. In *Proc. of the International Conference on Computers and Communications – ICCC 2004*, pages 421–425. The University of Oradea, Romania, May 27–29, 2004.

4. Cristian Vidraşcu. The invariant method for jumping Petri nets. In *Pre-proc. of the NATO Advanced Research Workshop on Concurrent Information Processing and Computing – CIPC2003*, pages 239–253. Sinaia, Romania, July 5–10, 2003.

5. Cristian Vidraşcu. Modelling a producer-consumer system. In *Proc. of the* 11^{th} *Conference on Applied and Industrial Mathematics – CAIM 2003*, volume 1, pages 232–236. The University of Oradea, Romania, May 29–31, 2003.

6. Cristian Vidraşcu. A note on the reachability set of Petri nets. In *Proc. of the* 12^{th} *Conference on Applied and Industrial Mathematics – CAIM 2004*, pages 209–218. The University of Piteşti, Romania, October 15–17, 2004.

7. Cristian Vidraşcu. S-invariants for Δ-finite jumping Petri nets. In Proc. of the 7^{th} *International Symposium on Automatic Control and Computer Science – SACCS 2001.* Faculty of Automatic Control and Computer Engineering, "Gh. Asachi" Technical Univesity of Iaşi, Romania, October 26–27, 2001.

8. Cristian Vidraşcu. Concurrency in high-level Petri nets. In Proc. of the 8^{th} *International Symposium on Automatic Control and Computer Science – SACCS 2004.* Faculty of Automatic Control and Computer Engineering, "Gh. Asachi" Technical Univesity of Iaşi, Romania, October 22–23, 2004.

9. Cristian Vidraşcu. An application of the minimal coverability graph. *Scientific Annals of the North University of Baia Mare, B Series, Mathematics and Computer Science Section*, XVI(1):159–170, 2000. Proc. of the 2^{nd} International Conference on Applied Mathematics – ICAM 2, Baia Mare, Romania, October 19–21, 2000.

10. Cristian Vidraşcu and Toader Jucan. On concurrency-degrees for jumping Petri nets. *Scientific Annals of the North University of Baia Mare, B Series, Mathematics and Computer Science Section*, XVIII(2):373–382, 2002. Proc. of the 3^{rd} International Conference on Applied Mathematics – ICAM 3, Baia Mare – Borşa, Romania, October 10–13, 2002.

Papers in international journals:

1. Cristian Vidraşcu. Modelling a sender-receiver system. *Acta Cybernetica*, 16(1):147–154, January 2003.

Papers in romanian journals:

1. Cristian Vidraşcu. Modelling and verification with jumping Petri nets. *Scientific Annals of the "Alexandru Ioan Cuza" University of Iaşi, Computer Science Section*, Tome XIV:91–99, 2004.

2. Cristian Vidraşcu and Toader Jucan. Concurrency-degrees for P/T-nets. *Scientific Annals of the "Alexandru Ioan Cuza" University of Iaşi, Computer Science Section*, Tome XIII:91–103, 2003.

3. Cristian Vidraşcu and Toader Jucan. Concurrency-degrees for jumping Petri nets. *Scientific Annals of the "Alexandru Ioan Cuza" University of Iaşi, Computer Science Section*, Tome XII:135–151, 2002.

4. Cristian Vidraşcu. Some applications of the minimal coverability structures. *Scientific Annals of the "Alexandru Ioan Cuza" University of Iaşi, Computer Science Section*, Tome X:55–77, 2001.

5. Cristian Vidraşcu and Toader Jucan. On coverability structures for jumping Petri nets. *Scientific Annals of the "Alexandru Ioan Cuza" University of Iaşi, Computer Science Section*, Tome IX:1–26, 2000.

6. Toader Jucan and Cristian Vidraşcu. Concurrency-degrees for Petri nets. *Studia Universitatis Babeş-Bolyai, Computer Science Section*, XLIV(2):3–15, 1999.

Technical reports:

1. Cristian Vidraşcu and Toader Jucan. On coverability structures for jumping Petri nets. Technical report FBI–HH–B–232, Fachbereich Informatik, Universitat Hamburg, Germany, 2001.

2. Cristian Vidraşcu and Toader Jucan. On concurrency-degrees for Petri nets. Technical report TR 01–01, Faculty of Computer Science, the "Alexandru Ioan Cuza" University of Iaşi, February 2001.

3. Cristian Vidraşcu. Structuri de accesibilitate reduse pentru reţele Petri de nivel înalt. Technical report TR 03–06, Faculty of Computer Science, the "Alexandru Ioan Cuza" University of Iaşi, December 2003.

4. Cristian Vidraşcu. Invariants and verification of properties for jumping Petri nets. Technical report TR 04–02, Faculty of Computer Science, the "Alexandru Ioan Cuza" University of Iaşi, October 2004.

5. Cristian Vidraşcu. Proprietăţi structurale ale reţelelor Petri. Technical report TR 04–04, Faculty of Computer Science, the "Alexandru Ioan Cuza" University of Iaşi, December 2004.