

## References

- [1] Erika Ábrahám, Marcello M. Bonsangue, Frank S. de Boer, and Martin Steffen. Object connectivity and full abstraction for a concurrent calculus of classes. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 37–51. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [2] Marc Aiguier, Stefan Béroff, and Pierre-Yves Schobbens. An algebraic approach for codesign. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 415–430. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [3] Marco Antonio Barbosa and Luís Soares Barbosa. Specifying software connectors. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 52–67. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [4] Fevzi Belli and Christof J. Budnik. Minimal spanning set for coverage testing of interactive systems. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 220–234. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [5] Yuting Chen, Shaoying Liu, and Fumiko Nagoya. An approach to integration testing based on data flow specifications. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 235–249. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [6] Ling Cheung, Nancy Lynch, Roberto Segala, and Frits Vaandrager. Switched probabilistic i/o automata. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24,*

- 2004), volume 3407 of *LNCS*, pages 494–510. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [7] Samuel Colin, Georges Mariano, and Vincent Poirriez. Duration calculus: A real-time semantic for  $b$ . In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 431–446. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [8] Li Dan and Bernhard K. Aichernig. Combining algebraic and model-based test case generation. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 250–264. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [9] Conrado Daws. Symbolic and parametric model checking of discrete-time markov chains. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 280–294. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [10] Jin Song Dong, Yuzhang Feng, and Yuan Fang Li. Verifying owl and orl ontologies in pvs. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 265–279. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [11] Peter Dybjer, Qiao Haiyan, and Makoto Takeyama. Random generators for dependent types. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 341–355. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [12] José Luiz Fiadeiro. Software services: Scientific challenge or industrial hype? In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the*

- 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 1–13. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [13] Olivier Fissore, Isabelle Gnaedig, and Hélène Kirchner. A proof of weak termination providing the right way to terminate. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 356–371. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [14] Tseren-Onolt Ishdorj and Mihai Ionescu. Replicative-distribution rules in  $p$  systems with active membranes. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 68–83. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [15] Ryszard Janicki. A generalisation of a relational structures model of concurrency. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 84–98. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [16] He Jifeng and Jin Naiyong. Integrating variants of  $dc$ . In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 14–34. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [17] Florian Kammüller and J.W. Sanders. Idempotent relations in Isabelle/HOL. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 310–324. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [18] Neelesh Korade and S. Arun-Kumar. A logical characterization of efficiency preorders. In Zhiming Liu and Keijiro Araki, editors, *Proceedings*

- of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004), volume 3407 of LNCS, pages 99–112. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [19] Padmanabhan Krishnan. Decomposing controllers into non-conflicting distributed controllers. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of LNCS, pages 511–526. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [20] Salvatore La Torre and Aniello Murano. Reasoning about co-büchi tree automata. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of LNCS, pages 527–542. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [21] K. Rustan M. Leino. Challenges in increasing tool support for programming. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of LNCS, pages 35–35. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [22] Huimin Lin. A predicate spatial logic and model checking for mobile processes. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of LNCS, pages 36–36. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [23] Zhiming Liu. A summary of the tutorials at itac 2004. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of LNCS, pages 557–560. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [24] Yinglong Ma, Jun Wei, Beihong Jin, and Shaohua Liu. A formal framework for ontology integration based on a default extension to ddl. In

- Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 154–169. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [25] Bill Mitchell. Inherent causal orderings of partial order scenarios. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 113–127. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [26] Apostolos Niaouris. An algebra of petri nets with arc-based time restrictions. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 447–462. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [27] Silvio Ranise, Christophe Ringeissen, and Duc-Khanh Tran. Nelson-oppo, shostak and the extended canonizer: A family picture with a newborn. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 372–386. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [28] Steve Reeves and David Streader. Atomic components. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 128–139. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [29] Enric Rodríguez-Carbonell and Deepak Kapur. Program verification using automatic generation of invariants'. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 325–340. Springer-Verlag, Berlin-Heidelberg-New York, 2005.

- [30] Andreas Schäfer. A calculus for shapes in time and space. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 463–477. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [31] Adnan Sherif, He Jifeng, Ana Cavalcanti, and Augusto Sampaio. A framework for specification and validation of real-time systems using circus actions. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 478–493. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [32] Pham Hong Thai and Dang Van Hung. Verifying linear duration constraints of timed automata. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 295–309. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [33] Viet-Anh Vu Tran, Shengchao Qin, and Wei Ngan Chin. An automatic mapping from statecharts to verilog. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 187–203. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [34] Mahesh Viswanathan and Moonzoo Kim. Foundations for the run-time monitoring of reactive systems — fundamentals of the mac language. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 543–556. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [35] Kaiyu Wan, Vasu Alagar, and Joey Paquet. Real time reactive programming in lucid enriched with contexts. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September*

- 20-24, 2004), volume 3407 of *LNCS*, pages 387–402. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [36] Yisong Wang and Mingyi Zhang. Revision programs with explicit negation. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 403–414. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [37] Yanjun Wen, Ji Wang, and Zhichang Qi. Reverse observation equivalence between labelled state transition systems. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 204–219. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [38] Jing Yang, Quan Long, Zhiming Liu, and Xiaoshan Li. A predicative semantic model for integrating uml models. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 170–186. Springer-Verlag, Berlin-Heidelberg-New York, 2005.
- [39] Jun-Feng Zhao, Lu Zhang, Ya-Sha Wang, Ying Jiang, and Bing Xie. Towards an optimization-based method for consolidating domain variabilities in domain-specific web services composition. In Zhiming Liu and Keijiro Araki, editors, *Proceedings of the 1st International Colloquium on Theoretical Aspects of Computing, ICTAC'2004 (Guiyang, China, September 20-24, 2004)*, volume 3407 of *LNCS*, pages 140–153. Springer-Verlag, Berlin-Heidelberg-New York, 2005.