

## Publications

### Theses

- [1] S. Andova *Timed Process Algebra*. Master's thesis, University "Sts. Cyril and Methodius", Republic of Macedonia, 1997.
- [2] S. Andova *Probabilistic Process Algebra*. PhD thesis, Eindhoven University of Technology, The Netherlands, 2002.

### Contributions in Books

- [1] S. Andova, L. P. J. Groenewegen, J.H.S. Verschuren and E.P. de Vink. Architecting Security with Paradigm. In Rogério de Lemos, Jean-Charles Fabre, Cristina Gacek, Fabio Gadducci and Maurice ter Beek (eds.), *Architecting Dependable Systems VI*. Lecture Notes in Computer Science 5835, pages 255-283, Springer-Verlag, Berlin, 2009.

### International Journals

- [1] S. Andova, L.P.J. Groenewegen and E.P. de Vink. Dynamic Consistency in Process Algebra: From Paradigm to ACP. *Science of Computer Programming*, to appear, 2010.
- [2] S. Andova, C.J.F. Cremers, K. Gjøsteen, S. Mauw, S.F. Mjøl̄snes, S. Radomirović. A framework for compositional verification of security protocols, *Information and Computation*, 206(2-4), pages 425-459, 2008.
- [3] S. Andova and T.A.C. Willemse. Branching bisimulation for probabilistic systems: characteristics and decidability. *Theoretical Computer Science*, 356(3) : 325-355, 2006.
- [4] S. Andova, J. C. M. Baeten. Alternative composition does not imply non-determinism, *Bulletin of the European Association for Theoretical Computer Science* 76, pages 125-127, 2002.

### International refereed proceedings

- [1] S. Georgievska, S. Andova. Retaining the probabilities in probabilistic testing theory. In Proc. of the 13th International Conference on Foundations of Software Science and Computational Structures FOSSACS'10, Paphos, Cyprus, C.-H.L. Ong (ed.), LNCS 6014, Springer-Verlag, Berlin, 2010.
- [2] S. Georgievska, S. Andova. Testing Probabilistic Processes: Can Random Choices Be Unobservable?. In Proc. of the 8th Workshop on Quantitative Aspects of Programming Languages QAPL 2010, Paphos, Cyprus, ENTCS, 2010.
- [3] S. Andova, A. McIver, P. R. D'Argenio, P.J.L. Cuijpers, J. Markovski, C. Morgan, M. Núñez. Proceedings First Workshop on Quantitative Formal Methods: Theory and Applications, EPTCS 13, 2009.
- [4] S. Andova, L.P.J. Groenewegen, J. Staffeu and E.P. de Vink. Formalizing Adaptation On-the-Fly. In Proc. of the 8th International Workshop on the Foundations of Coordination Languages and Software Architectures FOCLASA 2009, Rhodes, Greece, G. Salan and M. Sirjani (eds.), ENTCS 255 : 23-44, 2009.
- [5] S. Andova, S. Georgievska. On Compositionality, Efficiency, and Applicability of Abstraction in Probabilistic Systems. In Proc. of the 35th Conference on Current Trends in Theory and Practice of Computer Science SOFSEM'09, Czech Republic, M. Nielsen, A. Kučera, P. B. Miltersen, C. Palamidessi, P. Tuma, and F. Valencia (eds.), LNCS 5404, pages 67-78, Springer-Verlag, Berlin, 2009.

- [6] D. Gligoroski, S. Andova, S.J. Knapskog. On the importance of the key separation principle for different modes of operation, In Proc. of the 4th Information Security Practice and Experience Conference ISPEC'08, Sydney, Australia, L. Chen, Y. Mu, W. Susilo (eds.), LNCS 4991, pages 404–418, Springer-Verlag, Berlin, 2008.
- [7] N. Trecka, S. Georgievska, J. Markovski, S. Andova, E.P. de Vink. Performance analysis of chi models using discrete-time probabilistic reward graphs, In Proc. of the 9th International Workshop on Discrete Event Systems WODES'08, Göteborg, Sweden, B. Lennartson, M. Fabian, K. Akesson, A. Giua and R. Kumar (eds.), pages 113–118, IEEE Explorer, 2008.
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- [9] S. Andova, L.P.J. Groenewegen, E.P. de Vink. System evolution by migration coordination. In Proc. of the 7th Belgian-Netherlands Software Evolution Workshop Benevol 2008, Eindhoven, The Netherlands, A. Serebrenik (Ed.), Computer Science Reports TU/e, Vol. 08–33, pages 18–22, 2008.
- [10] S. Andova, T. A.C. Willemse. The general alternating model: support for probabilities, parallelism and abstraction, 2nd Artist Workshop on Models of Computation and Communication, Eindhoven, The Netherlands, 2008.
- [11] S. Andova, J. Baeten, T. Willemse. Complete axiomatization of branching bisimulation for probabilistic systems, In Proc. of the 17th International Conference on Concurrency Theory CONCUR'06, Bonn, Germany, C. Baier and H. Hermanns (eds.), LNCS 4137, pages 327–342, Springer-Verlag, Berlin, 2006.
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