GERARDO SCHNEIDER’S LIST OF PUBLICATIONS

Books

Edited Books and Journals

Journal Papers

1 All the publications can be downloaded from my homepage: http://www.cse.chalmers.se/~gersch/.
2 Till 2013 authors are listed alphabetically in almost all my publications, following the French tradition in formal methods, not reflecting the contribution of each author. Due to different publication policies by some of my co-authors the exception to the above are the following 3 papers: the 2013 IEEE TSE journal paper by G. Díaz et al., and the FLACOS’11 and IEEE SCC’10 papers by E. Martínez et al. From 2014, due to a change of publication policies, papers are not necessary in alphabetic order. A co-author contribution statement may be provided upon request.


**Refereed Contributions in Conference and Workshops Proceedings (peer-reviewed)**


34. Cristian Prisacariu and Gerardo Schneider. Abstract specification of legal contracts (research abstract). In 12th International Conference on Artificial Intelligence and Law (ICAIL’09), pages 218–219, Barcelona, Spain, June 2009. ACM.


59. Gerardo Schneider. On the Specification and Enforcement of Privacy-Preserving Contractual Agreements. In 7th International Symposium on Leveraging Applications of Formal Methods, Verification and Validation – ISoLA’16 (2); Track: Run-
time Verification and Enforcement, the (industrial) application perspective, volume 9953 of LNCS, pages 413–419. Springer, 2016.


95. Felipe Gorostiaga, Sebastián Zudaire, César Sánchez, Gerardo Schneider, and Sebastián Uchitel. Assumption monitoring of temporal task planning using stream runtime verification. In 11th International Symposium on Leveraging Applications
Dissemination Articles
development for internet services. In *ERCIM News – Special: The Future WEB*,

Other Contributions
1. Gerardo Schneider and Laira V. Toscani. Fixed point theory in computer sci-
ence. Anais do CNMAC, Curitiba, Brazil, August 1995. (Extended abstract, in
Portuguese).
2. Gerardo Schneider and Rafael Accorsi. Introduction to linear logic. Primeiro
Workshop sobre Métodos Formais e Qualidade de Software, Porto alegre, Brazil,
3. Gerardo Schneider and Antônio C. da Rocha Costa. Sequential and parallel com-
putation strategies on coherence spaces. CLEI’96, Bogotá, Colombia, June 1996.
4. Gerardo Schneider and Antônio C. da Rocha Costa. Coherence space as event
structure and concrete data structure. XXIV SEMISH, Brasília, Brazil, August
1997.
5. Pablo Giambiagi, Gerardo Schneider, and Frank D. Valencia. A note on scope
and infinite behaviour in CCS-like calculi. NWPT’2003, Turku, Finland, October
7. Gerardo Schneider. Memory usage estimation for java cards. NWPT’2004, Upps-
ala, Sweden, October 06–08 2004. Extended Abstract.
8. Gordon Pace and Gerardo Schneider. Improving polygonal hybrid systems reach-
ability analysis through the use of the phase portrait. CSAW’06, Malta, 2006.
Extended Abstract.
10. Stephen Fenech, Gordon J. Pace, and Gerardo Schneider. Conflict Analysis of
Deontic Contracts. NWPT’08, Tallinn, Estonia, November 19–21 2008. Extended
Abstract.
11. Hallstein A. Hansen and Gerardo Schneider. On the reachability analysis of plan-
ar, non-linear autonomous systems using hybrid systems. NWPT’09, Lyngby,
Denmark, October 2009. Extended Abstract.

Technical Reports
Dissertations and Thesis

Tools
I have participated in the implementation of the following tools:

- **SPeeDI**: Together with Gordon Pace, I have implemented a verification tool for Polygonal Differential Inclusions (SPDI).
- **SPeeDI+**: Together with Gordon Pace, I have extended the tool SPeeDI for computing phase portrait objects of SPDIs. [http://www.cs.um.edu.mt/speedi/](http://www.cs.um.edu.mt/speedi/)

Besides, I have contributed to the conceptual definition and underlying theoretical results for the following tools: