Edited Books and Journals$^{1,2}$


Journal Papers


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$^1$ All the publications can be downloaded from my homepage: [http://www.cse.chalmers.se/~gersch/](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: Runtime Verification and Enforcement, the (industrial) application perspective, volume 9953 of LNCS, pages 413–419. Springer, 10-14 October 2016.


78. Piergiuseppe Mallozzi, Ezequiel Castellano, Patrizio Pelliccione, Gerardo Schnei-
der, and Kenji Tei. A runtime monitoring framework to enforce invariants on
reinforcement learning agents exploring complex environments. In Proceedings of
the 2nd International Workshop on Robotics Software Engineering (RoSE@ICSE
79. Sandro Stucki, César Sánchez, Gerardo Schneider, and Borzoo Bonakdarpour.
Gray-box monitoring of hyperproperties. In Formal Methods (FM’19), volume
80. Farzane Karami, Olaf Owe, and Gerardo Schneider. Information-flow control by
means of security wrappers for active object languages with futures. In Secure IT
Systems - 25th Nordic Conference, NordSec’20, volume 12556 of Lecture Notes in
81. Piergiuseppe Mallozzi, Pierluigi Nuzzo, Patrizio Pelliccione, and Gerardo Schnei-
International Conference on Formal Methods and Models for System Design (MEM-
82. Gordon J. Pace, César Sánchez, and Gerardo Schneider. Reliable smart contracts.
In Leveraging Applications of Formal Methods, Verification and Validation: Ap-
plications - 9th International Symposium on Leveraging Applications of Formal
Methods, ISoLA 2020, Proceedings, Part III, volume 12478 of Lecture Notes in
83. Pablo Picazo-Sánchez, Gerardo Schneider, and Andrei Sabelfeld. HMAC and "se-
cure preferences": Revisiting chromium-based browsers security. In Cryptology
and Network Security - 19th International Conference, CANS’20, volume 12579 of
84. Hanaa Alshareef, Sandro Stucki, and Gerardo Schneider. Transforming data
flow diagrams for privacy compliance. In Proceedings of the 9th International
Conference on Model-Driven Engineering and Software Development, MODEL-

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.

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:


– **LARVA:** A runtime verification platform for runtime verification of critical (real-time) systems. Main developer: Christian Colombo. 