

Bibliography

- Owicki-Gries (1976): Verifying Properties of Parallel Programs: An Axiomatic Approach. Owicki and Gries, Commun. ACM, 1976.
- Rely-Guarantee (1983): Tentative Steps Toward a Development Method for Interfering Programs. Jones, TOPLAS, 1983
- CSL (2004): Resources, Concurrency and Local Reasoning. O'Hearn, CONCUR'04
- Bornat-al (2005): Permission accounting in separation logic. Bornat et al., POPL'05
- RGSep (2007): A Marriage of Rely/Guarantee and Separation Logic. Vefeiadis and Parkinson, CONCUR'07
- Gotsman-al (2007): Local Reasoning for Storable Locks and Threads. Gotsman et al., APLAS'07
- SAGL (2007): On the Relationship Between Concurrent Separation Logic and Assume-Guarantee Reasoning. Feng et al., ESOP'07
- Hobor-al (2008): Oracle Semantics for Concurrent Separation Logic. Hobor et al., ESOP'08
- Deny-Guarantee (2009): Deny-Guarantee Reasoning. Dodds et al., ESOP'09
- Bell-al (2010): Concurrent Separation Logic for Pipelined Parallelization. Bell et al., SAS'10
- LRG (2009): Local rely-guarantee reasoning. Feng., POPL'09
- CAP (2010): Concurrent Abstract Predicates. Dinsdale-Young et al., ECOOP'10
- HLRG (2010): Reasoning about Optimistic Concurrency Using a Program Logic for History. Fu et al. CONCUR'10
- Hobor-Gherghina (2011): Barriers in Concurrent Separation Logic. Hobor and Gherghina, ESOP'll
- Jacobs-Piessens (2011): Expressive modular fine-grained concurrency specification. Jacobs and Piessens, POPL'11
- RGSim (2012): A rely-guarantee-based simulation for verifying concurrent program transformations. Liang and Feng, POPL'12
- HOCAP (2013): Modular Reasoning about Separation of Concurrent Data Structures. Svendsen et al., ESOP'13
- Liang-Feng (2013): Modular verification of linearizability with non-fixed linearization points. Liang and Feng, PLDI'13:
- SCSL (2013): Subjective auxiliary state for coarse-grained concurrency. Ley-Wild and Nanevski, POPL'13
- CaReSL (2013): Unifying refinement and Hoare-style reasoning in a logic for higher-order concurrency. Turon et al. ICFP'13

Bibliography

- RSL (2013): Relaxed separation logic: a program logic for C11 concurrency. Vafeiadis and Narayan, OOPSLA'13
- FCSL (2014): Communicating State Transition Systems for Fine-Grained Concurrent Resources. Nanevski et al, ESOP'14
- TaDA (2014): TaDA: A Logic for Time and Data Abstraction. da Rocha Pinto et al., ECOOP'14:
- GPS (2014): GPS: navigating weak memory with ghosts, protocols, and separation. Turon et al., OOPSLA'14
- iCAP (2014): Impredicative Concurrent Abstract Predicates. Svendesen and Birkedal. ESOP'14
- FTCSL (2015): Fault-Tolerant Resource Reasoning. Ntzik et al., APLAS'15:
- CoLoSL (2015): CoLoSL: Concurrent Local Subjective Logic. Raad et al., ESOP'15
- Iris (2015): Iris: Monoids and Invariants as an Orthogonal Basis for Concurrent Reasoning. Jung et al. POPL 2015
- LiLi (2016): A program logic for concurrent objects under fair scheduling. Liang and Feng, POPL'16
- FSL (2016): A Program Logic for C11 Memory Fences. Doko et al., VMCAl'16
- Iris 2.0 (2016): Higher-order ghost state. Jung et al., ICFP 2016
- Concurrent RGRefs (2017): Verifying Concurrent Programs by Controlling Alias Interference. Gordon, PhD Thesis
- Total-TaDA (2016): Modular Termination Verification for Non-blocking Concurrency. da Rocha Pinto et al., ESOP'16
- FSL++ (2017): Tackling Real-Life Relaxed Concurrency with FSL++, Doko et al, ESOP'17
- iGPS (2017): Strong Logic for Weak Memory: Reasoning About Release-Acquire Consistency in Iris, Kaiser et al., ECOOP'17
- Iris 3.0 (2017): The Essence of Higher-Order Concurrent Separation Logic. Krebbers et al., ESOP'17
- Disel (2018): Programming and proving with distributed protocols, Sergey et al., POPL'18
- Aneris (2018): Aneris: A Logic for Node-Local, Modular Reasoning of Distributed Systems, Krogh-Jespersen et al, 2018