{

"DARPA Program": "HACMS",

"Program Teams": ["Carnegie Mellon University"],

"Authors": ["Juan Pablo Mendoza", "Manuela Veloso", "Reid Simmons"],

"Link": "http://www.cs.cmu.edu/~mmv/papers/12iros-MendozaVelosoSimmons.pdf",

"Title": "Motion Interference Detection in Mobile Robots"

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"Authors": ["Juan Pablo Mendoza", "Manuela Veloso", "Reid Simmons"],

"Link": "http://www.cs.cmu.edu/~mmv/papers/12irosw-MendozaVelosoSimmons.pdf",

"Title": "Mobile Robot Fault Detection based on Redundant Information Statistics"

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"DARPA Program": "HACMS",

"Program Teams": ["Carnegie Mellon University"],

"Authors": ["Stefan Mitsch", "Grant Olney Passmore", "Andre Platzer"],

"Link": "http://www.cs.bham.ac.uk/research/projects/formare/events/aisb2013/submissions/stage2/99990008.pdf",

"Title": "A Vision of Collaborative Verification-Driven Engineering of Hybrid Systems"

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"DARPA Program": "HACMS",

"Program Teams": ["Carnegie Mellon University"],

"Authors": ["Stefan Mitsch", "Khalil Ghorbal", "Andre Platzer"],

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"DARPA Program": "HACMS",

"Program Teams": ["MIT"],

"Authors": ["Adam Chlipala"],

"Link": "http://adam.chlipala.net/papers/BedrockICFP13/BedrockICFP13.pdf",

"Title": "Combining Generative Metaprogramming and Hoare Logic in an Extensible Program Verifier"

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"DARPA Program": "HACMS",

"Program Teams": ["NICTA"],

"Authors": ["Toby Murray", "Daniel Matichuk", "Matthew Brassil", "Peter Gammie", "Timothy Bourke", "Sean Seefried", "Corey Lewis", "Xin Gao", "Gerwin Klein"],

"Link": "http://www.ieee-security.org/TC/SP2013/papers/4977a415.pdf",

"Title": "seL4: from General Purpose to a Proof of Information Flow Enforcement"

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"DARPA Program": "HACMS",

"Program Teams": ["NICTA"],

"Authors": ["Thomas Sewell", "Magnus O. Myreen", "Gerwin Klein"],

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"Title": "Binary Verification of an OS Microkernel"

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"DARPA Program": "HACMS",

"Program Teams": ["NICTA"],

"Authors": ["Gabriele Keller", "Toby Murray", "Sidney Amani", "Liam O’Connor", "Zilin Chen", "Leonid Ryzhyk", "Gerwin Klein", "Gernot Heiser"],

"Link": "http://plosworkshop.org/2013/preprint/keller.pdf",

"Title": "File Systems Deserve Verification Too!"

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"DARPA Program": "HACMS",

"Program Teams": ["NICTA"],

"Authors": ["Matthew Fernandez", "Ihor Kuz", "Gerwin Klein", "June Andronick"],

"Link": "http://plosworkshop.org/2013/preprint/fernandez.pdf",

"Title": "Towards a Verified Component Platform"

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"DARPA Program": "HACMS",

"Program Teams": ["Princeton University"],

"Authors": ["Josh Dodds", "Andrew W. Appel"],

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"DARPA Program": "HACMS",

"Program Teams": ["Princeton University"],

"Authors": ["Gordon Stewart"],

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"Title": "Computational Verification of Network Programs in Coq"

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"DARPA Program": "HACMS",

"Program Teams": ["Princeton University"],

"Authors": ["Andrew W. Appel", "Robert Dockins", "Aquinas Hobor", "Lennart Beringer", "Josiah Dodds", "Gordon Stewart", "Sandrine Blazy", "Xavier Leroy"],

"Link": "http://vst.cs.princeton.edu/PLCC-sample.pdf",

"Title": "Program Logics for Certified Compilers (published book)"

}

{

"DARPA Program": "HACMS",

"Program Teams": ["Rockwell Collins", "University of Minnesota"],

"Authors": ["Michael W. Whalen", "Andrew Gacek", "Darren Cofer", "Anitha Murugesan", "Mats P.E. Heimdahl", "Sanjai Rayadurgam"],

"Link": "http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=6359702",

"Title": "Your What Is My How: Iteration and Hierarchy in System Design"

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"DARPA Program": "HACMS",

"Program Teams": ["SRI"],

"Authors": ["Natarajan Shankar"],

"Link": "http://link.springer.com/chapter/10.1007%2F978-3-642-38574-2\_10",

"Title": "Automated Reasoning, Fast and Slow?"

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"DARPA Program": "HACMS",

"Program Teams": ["SRI"],

"Authors": ["John Rushby"],

"Link": "",

"Title": "Logic and Epistemology in Safety Classes "

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"DARPA Program": "HACMS",

"Program Teams": ["SRI"],

"Authors": ["S. Ghosh", "D. Elenius", "P. Lincoln", "N. Shankar", "W. Li", "W. Steiner"],

"Link": "",

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"DARPA Program": "HACMS",

"Program Teams": ["SRI"],

"Authors": ["Bev Littlewood", "John Rushby"],

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"Title": "Reasoning about the Reliability Of Diverse Two-Channel Systems In which One Channel is `Possibly Perfect'"

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"Program Teams": ["SRI"],

"Authors": ["Simon Cruanes", "Gregoire Hamon", "Sam Owre", "Natarajan Shankar"],

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"Title": "Tool Integration with the Evidential Tool Bus"

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"DARPA Program": "HACMS",

"Program Teams": ["SRI"],

"Authors": ["Sergio Mover", "Alessandro Cimatti", "Ashish Tiwari", "Stefano Tonetta"],

"Link": "https://es-static.fbk.eu/people/mover/paper/relabs/time-aware.pdf",

"Title": "Time-Aware Relational Abstractions for Hybrid Systems"

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"DARPA Program": "HACMS",

"Program Teams": ["SRI, University of Illinois-Urbana Champagne"],

"Authors": ["Parasara Sridhar Duggirala", "Ashish Tiwari"],

"Link": "http://www.csl.sri.com/~tiwari/papers/emsoft2013\_hsalcegar.pdf",

"Title": "Safety Verification for Linear Systems"

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"DARPA Program": "HACMS",

"Program Teams": ["UCLA"],

"Authors": ["Hamza Fawzi", "Paulo Tabuada", "Suhas Diggavi"],

"Link": "http://www.mit.edu/~hfawzi/security\_cdc2012.pdf",

"Title": "Security for control systems under sensor and actuator attacks"

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"DARPA Program": "HACMS",

"Program Teams": ["UCLA"],

"Authors": ["Yasser Shoukry", "Paul Martin", "Paulo Tabuada", "Mani Srivastava"],

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"DARPA Program": "HACMS",

"Program Teams": ["UCLA"],

"Authors": ["Yasser Shoukry", "Jose Araujo", "Paulo Tabuada", "Mani Srivastava", "Karl H. Johansson"],

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"Title": "Min-Max Control For Cyber-Physical Systems under Network Packet Scheduling Attacks"

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"DARPA Program": "HACMS",

"Program Teams": ["University of Minnesota"],

"Authors": ["Anitha Murugesan", "Michael W. Whalen", "Sanjai Rayadurgam", "Mats P.E. Heimdahl"],

"Link": "http://www.umsec.umn.edu/publications/compositional-verification-medical-device-system",

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"DARPA Program": "HACMS",

"Program Teams": ["University of Minnesota"],

"Authors": ["Michael Whalen", "Anitha Murugesan", "Mats Heimdahl"],

"Link": "http://www.umsec.umn.edu/publications/Your-what-my-how-Why-requirements-and",

"Title": "Your what is my how: Why requirements and architectural design should be iterative"

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"DARPA Program": "HACMS",

"Program Teams": ["University of Pennsylvania"],

"Authors": ["Miao Fei", "Miroslav Pajic", "George J. Pappas"],

"Link": "http://rtg.cis.upenn.edu/HACMS/docs/ReplayGame\_cdc13.pdf",

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"DARPA Program": "HACMS",

"Program Teams": ["University of Pennsylvania"],

"Authors": ["James Weimer", "Nicola Bezzo", "Miroslav Pajic", "George Pappas", "Oleg Sokolsky", "Insup Lee"],

"Link": "http://link.springer.com/chapter/10.1007%2F978-3-319-01159-2\_11",

"Title": "Resilient Adaptive Control with Application to Vehicle Cruise Control"

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"Program Teams": ["University of Pennsylvania", "UCLA", "Carnegie Mellon University],

"Authors": ["Miroslav Pajic", "Oleg Sokolsky", "Rajeev Alur", "Rahul Mangharam", "Nathan Michael", "George J. Pappas", "Paulo Tabuada", "Stephanie Weirich", "Insup Lee"],

"Link": "http://www.georgejpappas.org/papers/p75-pajic.pdf",

"Title": "Towards Synthesis of Platform-aware Attack-Resilient Control Systems"

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"DARPA Program": "HACMS",

"Program Teams": ["Yale University"],

"Authors": ["David Costanzo", "Zhong Shao"],

"Link": "http://flint.cs.yale.edu/flint/publications/bpsltr.pdf",

"Title": "A Case for Behavior-Preserving Actions in Separation Logic"

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"DARPA Program": "HACMS",

"Program Teams": ["Yale University"],

"Authors": ["Yu Guo", "Xinyu Feng", "Zhong Shao", "Peizhi Shi"],

"Link": " http://flint.cs.yale.edu/flint/publications/ctm.pdf",

"Title": "Modular Verification of Concurrent Thread Management"

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"Program Teams": ["Yale University"],

"Authors": ["Hongjin Liang", "Jan Hoffmann", "Xinyu Feng", "Zhong Shao"],

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"Title": "Characterizing Progress Properties of Concurrent Objects via Contextual Refinements"

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"Authors": ["Alexander Vaynberg", "Zhong Shao"],

"Link": "http://flint.cs.yale.edu/flint/publications/babyvmm\_tr.pdf",

"Title": "Compositional Verification of a Baby Virtual Memory Manager"

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"Authors": ["Jan Hoffmann", "Michael Marmar", "Zhong Shao"],

"Link": "http://cs-www.cs.yale.edu/homes/hoffmann/papers/lockfree2012full.pdf",

"Title": "Quantitative Reasoning for Proving Lock-Freedom"

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"Authors": ["Simon Cruanes", "Gregoire Hamon", "Sam Owre", "Natarajan Shankar"],

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"Title": "The Semantics of Datalog for the Evidential Tool Bus"

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"Authors": ["David Constanzo" "Zhong Shao"],

"Link": "http://flint.cs.yale.edu/certikos/slides/IFC.pdf",

"Title": "A Separation Logic for Enforcing Declarative Information Flow Control Policies"

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"Authors": ["Radoslav Ivanov", "Miroslav Pajic", "Insup Lee"],

"Link": "",

"Title": "Attack-Resilient Sensor Fusion"

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"Link": "",

"Title": "Resilient Multidimensional Sensor Fusion using Measurement History"

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"DARPA Program": "HACMS",

"Program Teams": ["SRI"],

"Authors": ["Ashish Tiwari", "Bruno Dutertre", "Dejan Jovanovic", "Thomas de Candia", "Patrick Lincoln", "John Rushby", "Dorsa Sadigh", "Sanjit Seshia"],

"Link": "",

"Title": "Safety Envelope for Security"

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