Список литературы

- [1] M. Abramovici, J. M. Emmert, and C. E. Stroud. Roving stars: An integrated approach to online testing, diagnosis, and fault tolerance for fpgas in adaptive computing systems. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 73–92, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [2] D. W. Bradley and A. M. Tyrell. The architecture for a hardware immune system. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 193–200, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [3] O. Castillo, O. Montiel, R. Sepulveda, and P. Melin. Application of a breeder genetic algorithm for system identification in an adaptive finite impulse response filter. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 146–153, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [4] A. G. Darren, R. Conde, B. Chern, P. Luers, S. Jurczyk, and C. Mills. Adaptive instrument module: Space instrument controller "brain"through programmable logic devices. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 256–260, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [5] H. de Garis, L. de Penning, A. Bullner, and D. Decesare. Early experiments on the cam-brain machine (cbm). In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 211–219, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [6] Brad Dolin, Forrest H Bennett III, and Eleanor G. Rieffel. Methods for evolving robust distributed robot control software: coevolutionary and single population techniques. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 21–29, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [7] R. T. Edwards and C. J. Kim. Breaking the resistivity barrier. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 167–171, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [8] J. C. Gallagher. A neuromorphic paradigm for extrinsically evolved hybrid analog/digital device controllers: Initial explorations. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 48–55, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [9] R. I. Graham and T. Arslan. Rule evolution in order based diagnostic systems. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 280–286, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [10] P. C. Haddow and G. Tufte. Bridging the genotype-phenotype mapping for digital fpgas. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 109–115, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [11] A. Hernandez-Aguirre, B. P. Buckles, and C. A. C. Coello. On learning kdnf boolean formulas. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third*

- NASA/DoD workshop on Evolvable Hardware, pages 240–246, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [12] B. I. Hounsell and T. Arslan. Evolutionary design and adaption of digital filters within an embedded fault. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 127–135, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [13] B. I. Hounsell and T. Arslan. Evolutionary design and adaption of digital filters within an embedded fault. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 127–135, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [14] A. H. Jackson and A. M. Tyrrell. Asynchronous embryonics. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 201–210, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [15] S. Kazadi, Y. Qi, I. Park, N. Huang, P. Hwu, B. Kwan, W. Lue, and H. Li. Insufficiency of piecewise evolution. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 223–231, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [16] J. Langeheine, J. Becker, S. Foilling, K. Meire, and J. Schemmel. A cmos fpta chip for intrinsic hardware evolution of analong electronic circuits. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 172–175, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [17] D. S. Linden. A system for evolving antennas in-situ. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 249–255, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [18] J. W. Lockwood. Evovable internet hardware platforms. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 271–279, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [19] J. F. Miller and M. Hartmann. Evolving messy gates for fault tolerance: Some preliminary findings. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 116–123, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [20] J. M. Moreno Arostegui, E. Sanchez, and J. Cabestany. An in-system routing strategy for evolvable hardware programmable platforms. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 157–166, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [21] J. M. Moreno Arostegui, E. Sanchez, and J. Cabestany. An in-system routing strategy for evolvable hardware programmable platforms. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 157–166, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.

- [22] J. O. Pfaffmann and K. P. Zauner. Scouting context-sensitive components. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 14–20, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [23] R. Porter, M. Gokhale, N. Harvey, S. Perkins, and C. Young. Evolving network architectures with custom computers for multi-spectral feature identification. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 261–270, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [24] E. Ramsden. The isppac family of reconfigurable analog circuits. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 176–181, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [25] J. H. Saleh, D. E. Hastings, and D. J. Newman. Extracting the essence of flexibility in system design. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 59–72, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [26] C. C. Santini, R. Zebulum, M. A. C. Pacheco, M. M. R. Vellasco, and M. H. Szwarcman. Pama-programmable analog multiplexter array. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 36–43, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [27] T. Schiner, X. Yao, and P. Liu. Digital filter design using multiple pareto fronts. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 136–145, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [28] J. L. Segovia-Juarez and S. Colombano. Mutation buffering capabilities of the hypernetwork model. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 7–13, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [29] H. T. Sinohara, M. A. C. Pacheco, and M. M. R. Vellasco. Repair of analog circuits: Extrinsic and instrinsic evolutionary techniques. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 44–47, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [30] A. Stauffer, D. Mange, G. Tempesti, and C. Teuscher. Biowatch: A giant electronic bio-inspired watch. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 185–192, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [31] A. Stoica, R. Zebulum, and D. Keymeulen. Progress and challenges in building evolvable devices. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, *The Third NASA/DoD workshop on Evolvable Hardware*, pages 33–35, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.
- [32] A. M. Tyrrell, G. Hollingworth, and S. L. Smith. Evolutionary strategies and intrinsic fault tolerance. In Didier Keymeulen, Adrian Stoica, Jason Lohn, and Ricardo S. Zebulum, editors, The Third NASA/DoD workshop on Evolvable Hardware, pages 98–106, Long Beach, California, 12-14 July 2001. Jet Propulsion Laboratory, California Institute of Technology, IEEE Computer Society.