



## UvA-DARE (Digital Academic Repository)

### Parallel complex systems simulation

Schoneveld, A.

**Publication date**  
1999

[Link to publication](#)

#### **Citation for published version (APA):**

Schoneveld, A. (1999). *Parallel complex systems simulation*. [Thesis, fully internal, vg logic/info]. ASCI.

#### **General rights**

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

#### **Disclaimer/Complaints regulations**

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

# Publications

- [1] A. Schoneveld, J.F. de Ronde, P.M.A. Sloot, and J.A. Kaandorp. A parallel cellular genetic algorithm used in finite element simulation. In H.-M. Voigt, W. Ebeling, I. Rechenberg, and H.-P. Schwefel, editors, *Parallel Problem Solving from Nature (PPSN IV)*, pages 533–542, 1996.
- [2] A. Schoneveld, J.F. de Ronde, and P.M.A. Sloot. On the complexity of task allocation. *Complexity*, 3(2):52–60, 1997.
- [3] A. Schoneveld, J.F. de Ronde, and P.M.A. Sloot. Preserving locality for optimal parallelism in task allocation. In B. Hertzberger and P. Sloot, editors, *High-Performance Computing and Networking*, pages 565–574, 1997.
- [4] A. Schoneveld, J.F. de Ronde, and P.M.A. Sloot. Task allocation by parallel evolutionary computing. *Journal of Parallel and Distributed Computing*, 47(1):91–97, 1997.
- [5] A. Schoneveld, M. Lees, E. Karyadi, and P.M.A. Sloot. Dynamic Load Balancing in Parallel Finite Element Simulations. In P. Sloot, editors, *High-Performance Computing and Networking*, pages 409–419, 1999.
- [6] A. Schoneveld and J.F. de Ronde. P-cam: A framework for parallel complex systems simulations. *Future Generation Computer Systems* (special issue on Cellular Automata), 16(2-3):–, 1999.
- [7] A. Schoneveld, M. Lees, and P.M.A. Sloot. A Framework for Dynamic Load Balancing: A Case study on Explosive Containment Simulation. submitted for publication.
- [8] A. Schoneveld, M. Lees, E. Karyadi, and P.M.A. Sloot. Dynamic Load Balancing in Parallel Finite Element Simulations. In J.A. Kaandorp, editors, *ASCI'99: Proceedings of the 4th annual conference of the Advanced School for Computing and Imaging*, pages 429–434, 1999.
- [9] P.M.A. Sloot, J.A. Kaandorp, and A. Schoneveld. Dynamic complex systems (des): A new approach to parallel computing in computational physics. Technical Report TR-CS-95-08, University of Amsterdam, 1995.

- [10] P.M.A. Sloot, A. Schoneveld, J.F. de Ronde, and J.A. Kaandorp. Large-scale simulations of complex systems, part i: conceptual framework. Technical Report Working Paper 97-07-070, Santa Fe Institute, 1997.
- [11] J.F. de Ronde, A. Schoneveld, and P.M.A. Sloot. A genetic algorithm based tool for the mapping problem. In E.J.H. Kerckhoffs, P.M.A. Sloot, J.F.M. Tonino, and A.M. Vossepoel, editors, *ASCI'96: Proceedings of the 2nd annual conference of the Advanced School for Computing and Imaging*, pages 174–179, 1996.
- [12] J.F. de Ronde, A. Schoneveld, and P.M.A. Sloot. Properties of the task allocation problem. Technical Report TR-CS-96-03, University of Amsterdam, 1996.
- [13] J.F. de Ronde, A. Schoneveld, and P.M.A. Sloot. Load Balancing by Redundant Decomposition and Mapping. In H. Liddell, A. Colbrook, B. Hertzberger and P. Sloot, editors, *High Performance Computing and Networking (HPCN'96)*, pages 555–561, 1996.
- [14] J.F. de Ronde, A. Schoneveld, and P.M.A. Sloot. Load balancing by redundant decomposition and mapping. *Future Generation Computer Systems*, 12(5):391–406, 1997.

