List of Publications

Bastien Chopard

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Books


Chapter in book


1http://cui.unige.ch/~chopard/Publication/publication.pdf
Proceedings and Edited book


Journals


118. Mohamed Ben Belgacem and Bastien Chopard, A hybrid HPC/cloud distributed infrastructure: Coupling EC2 cloud resources with HPC clusters to run large tightly coupled multiscale applications, Future Gen. Comp. Sys., vol 42, pp 11-21, 2015. DOI: 10.1016/j.future.2014.08.003


129. Gregor Chliamovitch, Alexandre Dupuis and Bastien Chopard, Maximum Entropy Rate Reconstruction of Markov Dynamics. Entropy 2015, 17, 3738-3751; doi:10.3390/e17063738

130. Karim Zouaoui Boudejltia, Daniel Ribeiro de Sousa, Pierrick Uzureau, Catherine Yourassowsky, David Perez-Morga, Guy Courbebaisse, Bastien


138. Rick Quax, Gregor Chliamovitch, Alexandre Dupuis, Jean-Luc Falcone, Bastien Chopard, Alfons G. Hoekstra and Peter M.A. Sloot. Information processing features can detect behavioral regimes of dynamical systems. Complexity, 2018 in Press.


International Conferences


49. J. Latt and B. Chopard, *An object-oriented technique for the design of implicit parallel programs: application to numerical simulation of transcranial Doppler ultrasonography methods*, PDSECA-03, Nice, April 03.


87. Diemer Anda-Ondo, Laurent Lefevre and Bastien Chopard Energetic properties of Lattice Boltzmann models with application to observability analysis of Shallow Water boundary control systems CDC-ECC 2011.


89. Diemer Anda-Ondo, Laurent Lefevre and Bastien Chopard Commandabilité d’un modèle de Boltzmann sur réseau d’écoulements en eau peu profonde, JDMACS 2011.


94. Bastien Chopard and Jonas Latt, The lattice Boltzmann method and its applications to science and engineering, proceedings of the plenary session 2012 of the Hassan II Academy of Sciences & technology or Morrocco.


104. Makoto Ohta, Bastien Chopard and Hitomi Anzai, *Development of a program for Blood flow and cell behaviors based on LBM method ICFD 2013, Sendai, Japan*


111. Charles De Santana, Aziza Merzouki, Orestis Malaspinas, Bastien Chopard and Andreas Wagner. Robustness of tissue structure to perturbations in mechanical forces. CCS 2016, satellite conference, on "Robustness, Adaptability and Critical Transitions in Living Systems”


115. Xavier Meyer et al. Scheduling finite difference approximations for DAG-modeled large scale applications (pap119s1), PASC17, Lugano, 2017.
