



## Modeling complex systems with Cellular Automata

Submitted by Emmanuel Lemoine on Thu, 01/30/2014 - 14:53

Titre	Modeling complex systems with Cellular Automata
Type de publication	Communication
Type	Communication avec actes dans un congrès
Année	2008
Langue	Anglais
Date du colloque	2008
Titre du colloque	7th Congress of the UES, UES08
Pagination	7 - p.
Auteur	Makarovitsch, A. [1], Foll, J.-P. [2], Chauvet, Pierre [3]
Pays	Portugal
Ville	Lisbonne
Mots-clés	agents [4], cellular [5], Complexity [6], modeling [7], Violence [8]
Résumé en anglais	Social systems are usually modeled with Multi-Agent Systems (MAS). Our hypothesis is that Cellular Automata (CAs), simpler to program, simpler to tune and to interpret, can be sufficient to understand and analyze social phenomena (violence, segregation, discrimination, etc.). Actually CAs are much more flexible and their control rule by rule, allows to better follow the process itself.
Notes	Date du colloque : 12/2008
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua1659">http://okina.univ-angers.fr/publications/ua1659</a> [9]
Lien vers le document en ligne	<a href="http://www.res-systemica.org/afscet/resSystemica/Lisboa08/makarovitsch3.pdf">http://www.res-systemica.org/afscet/resSystemica/Lisboa08/makarovitsch3.pdf</a> [10]

### Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=2316](http://okina.univ-angers.fr/publications?f[author]=2316)
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=2317](http://okina.univ-angers.fr/publications?f[author]=2317)
- [3] <http://okina.univ-angers.fr/pierre.chauvet/publications>
- [4] [http://okina.univ-angers.fr/publications?f\[keyword\]=4172](http://okina.univ-angers.fr/publications?f[keyword]=4172)
- [5] [http://okina.univ-angers.fr/publications?f\[keyword\]=4742](http://okina.univ-angers.fr/publications?f[keyword]=4742)
- [6] [http://okina.univ-angers.fr/publications?f\[keyword\]=4156](http://okina.univ-angers.fr/publications?f[keyword]=4156)
- [7] [http://okina.univ-angers.fr/publications?f\[keyword\]=3357](http://okina.univ-angers.fr/publications?f[keyword]=3357)
- [8] [http://okina.univ-angers.fr/publications?f\[keyword\]=2147](http://okina.univ-angers.fr/publications?f[keyword]=2147)
- [9] <http://okina.univ-angers.fr/publications/ua1659>
- [10] <http://www.res-systemica.org/afscet/resSystemica/Lisboa08/makarovitsch3.pdf>

Publié sur *Okina* (<http://okina.univ-angers.fr>)