



European Research Group

MODUS

Modelling Urban Space

www.spatial-modelling.info

Workshop at CORE, Louvain-la-Neuve (Belgium) the 9th - 10th of November 2007

On the emergence of complex urban forms

Dear colleagues,

We are pleased to invite you to the second **MODUS workshop** that will be held at CORE in **Louvain-la-Neuve the 9th of November 2007**.

MODUS is an urban research platform operated under **the European Research Group S4: Spatial Simulations for the Social Sciences** (<http://s4.parisgeo.cnrs.fr/>).

MODUS is aimed at revealing the processes that generate urban structures and strengthening the theories underlying urban simulation modelling. See <http://www.spatial-modelling.info/-Activities-> for further details.

Workshops are organised in order to stimulate interdisciplinary discussion on the emergence of urban structures, identify complementary approaches, and hence improving modelling tools that support urban planning. After a first meeting held in Paris (April 27th 2006), this second workshop in Louvain-la-Neuve will be particularly focussed on **measuring urban forms and evolution, and revealing both the socio-economic processes and design issues that shape urban forms through time**.

Here is the provisional program of the workshop (subject to minor changes):

08.45 Welcome

09.00 Introduction to the workshop (by Geoffrey Caruso, University of Luxembourg)

Workshop chair: Isabelle Thomas (UCL, Louvain-la-Neuve)

09.05 **Philippe Woloszyn** (CNRS, UMR ESO, University of Rennes II, France) on *fractal modelling of urban configurations*

10.00 **Pierre Frankhauser** (UMR THEMA, University of Besançon, France) on *linking the outputs of a self-generating urban model (SGHOST) with fractal patterns*

10.55 Coffee/Tea break

11.10 **Jean-Louis Deneubourg** (Center for Nonlinear Phenomena and Complex Systems, University of Brussels, Belgium) on *self-organisation in biological systems and linking it with urban patterns*

12.05 Lunchbreak

13.45 **Stephen Marshall** (The Bartlett, University College of London, UK) *on the emergence of characteristic urban structures and evolutionary interpretation of changes in the urban fabric*

14.40 **Nuno N. Pinto** (Civil Engineering Dpt, Polytechnic Institute of Leiria, Portugal) *on optimized cellular automata model change in small urban settings*

15.35 Coffee/Teabreak

15.50 **Roger White** (Geography Dpt, University of Newfoundland, St-John's, Canada) *on what we have learned from CA based models about the emergence of urban form and the problems revealed*

16.45 Wrap-up and conclusions (by Dominique Peeters, UCL, Louvain-la-Neuve)

17.15 Closing

Please register for the workshop by sending an email to Geoffrey Caruso (geoffrey.caruso@uni.lu) or Isabelle Thomas (isabelle.thomas@uclouvain.be) by the **19th of October 2007**.

Venue and Travel:

The workshop will be held in the seminar room of CORE (Center for Operations Research and Econometrics) in Louvain-la-Neuve (Belgium).

For how to go, see <http://www.uclouvain.be/en-16855.html>. CORE is 3 minutes walk from the Louvain-la-Neuve University station.

A map of Louvain-la-Neuve is available here http://www.dom.ucl.ac.be/info_plan.html

Please book accommodation on your own. There are two hotels in Louvain-la-Neuve, see <http://www.uclouvain.be/en-61111.html>

(Mercure being more comfortable, but further away from the centre (about 15 min walk))

You may also consider Hotels in Brussels near Schuman or Luxembourg rail stations (direct connection to Louvain-la-Neuve).

Looking forward to meeting you in Louvain-la-Neuve.

Geoffrey Caruso

Isabelle Thomas

