



PHD 'RESEARCH IN PROGRESS' WORKSHOP (III)
FROM LAB TO SOCIETY - OPPORTUNITIES IN COMPLEXITY

CALL FOR ABSTRACTS

[HTTP://CSSOCIETY.ORG/PHDVIENNA2011](http://cssociety.org/PhDVVienna2011)

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The premise of the satellite meeting is to give MSc and PhD students studying within the domain of complex systems science a platform to present their research question, approach and results at an early point in their research career to an interdisciplinary and supportive group.

This year's topic: FROM LAB TO SOCIETY, is meant to challenge the future young researchers to try elucidating how their own research will affect society as a whole within 5-10 years and how their complex systems approach may help structure our society for the better.

A networking platform is available through the CSS website at <http://cssociety.org/YoCo>.

ABSTRACT SUBMISSION

30 minute oral presentations are expected from prospective participants. Authors of contributed talks are invited to submit one page (maximum 300 words) abstract, accompanied by title, authors, contact information, a relevant link to a complex systems website and a relevant picture.

The abstracts should be emailed, preferably in plain text format, to phdinprogress@cssociety.org. All submissions will be carefully evaluated by selected referees based on consistency with the target audience, theme of satellite meeting and originality. If accepted, one of the authors is expected to present their contribution at the satellite.

INVITED SPEAKER

David Hales is a researcher at the Open University in the United Kingdom. His research is at the overlap between computer science and social science. He has a background in Computer Science and Artificial Intelligence but he has spent a lot of time with Sociologists, Philosophers and even lapsed Economists doing simulations.

He develops approaches for growing reliable, decentralized systems - specifically peer-to-peer systems. The aim is to produce self-configuring, self-repairing and self-organising societies of peer nodes that execute on user machines. He wants to harness desirable emergent properties of massive (millions of nodes) systems under conditions of high flux with nodes constantly entering and leaving the system, and possibly behaving maliciously. In these kinds of "anarchic environments" system behaviour needs to emerge "bottom-up" from the behaviour of individuals following their own rules. Imposition of central control is not an option and we can't rely solely on the "hidden hands" of classical economic theory. So a synthesis is required between new kinds of social theory applicable to the artificial domain and distributed self-organising systems programming. Such a synthesis could transform, not just technology but, human societies in profound ways. He



aims to encourage transformations that are for the good of everyone - not just a technologically or financially privileged few.

David Hales Website: <http://www.davidhales.com>

SUPPORT AND BURSARIES

Participants of this workshop need to register for the main ECCS'11 conference (see <http://www.eccs2011.eu> for details. Limited contributions towards the conference fee and/or travel expenses are available. See <http://www.eccs2011.eu/support/> for details).

IMPORTANT DATES

- Submission date: May 15th, 2011 via email to phdinprogress@cssociety.org
- Submission decision: May 31st, 2011
- Satellite meeting: September 14th, 2011