



The LANCS Initiative Joint Workshop

Heuristic Understanding and Systems to Build Systems

Time: 14:00, June 4th – 15:30, June 5th 2009
Location: School of Computer Science,
Jubilee Campus, University of Nottingham, NG8 1BB
Room: C-1

This joint meeting is an opportunity for people within LANCS to provide essential input about what “Building Theory for Practice” means in practice. Specific goals are

1. “Practitioners” will have an opportunity to express what theory they would like to see being produced by the Initiative.
2. “Theoreticians” can present some of the techniques and tools that are currently available and discuss what might be possible in future.
3. Surveys of what other relevant ‘theory’ techniques are available in the literature. In particular, discussing relevant work in areas other than OR.
4. Generally raising awareness of the skills and experience that the LANCS participants have, and so hopefully sow the seeds of future collaborations.
5. Try to develop small research projects that break the (substantial) barriers between the various sub-groups within the Initiative

Please let us know if you intend, hope to attend or have any questions about the workshop: {ajp, exo}@cs.nott.ac.uk (Andrew Parkes, Ender Ozcan)

Participation – Poster Session

We are running a poster session. Obviously, it would be unreasonable to expect people to produce a poster specifically for this meeting, however, please bring along any poster(s) you might already have produced for other workshops/conferences. The aim is that it would help everyone to introduce themselves and their work to other participants. Preparing a poster is a lot of work, and this is a good chance to amortise the effort ☺.

Also, if possible, please come prepared with a point of view, and willingness to discuss.

Travel & Accommodation

Links and travel directions are available on the website:

http://www.nottingham.ac.uk/computer-science/Visitors/Finding_Us.php

If you are coming here by car and intend to park on campus (and do not want to pay the £5/day for the pay-and-display) then please let us know and we can arrange free parking.

The generally recommended place to stay is the Crowne Plaza where government rates are available (<http://www.CrownePlaza.com/>), as it is close to the centre of town yet also a short trip to the campus. Please contact Deborah Pitchfork email:

deborah.pitchfork@nottingham.ac.uk for details, booking arrangements or alternative accommodations (such as student accommodations). Student-level accommodation might be obtainable from the University: <http://www.nottingham.ac.uk/nh/visitors/accommodation.htm>



Joint Workshop on Heuristic Understanding and Systems to Build Systems *Timetable* (provisional)

Room C-1, School of Computer Science, Jubilee Campus, UoN, NG8 1BB

Thursday June 4th

13:30-14:00 *Coffee*

14:00-14:20 Welcome. Ender Ozcan and Andrew Parkes
Self-introductions. Everyone

14:20-14:40 Heuristic Understanding: Introduction and Overview. Andrew Parkes

14:40-15:30 “What Practitioners want from theory”
Chris Potts, Jason Atkin, and others...
General Discussion.

15:30-15:50 *Coffee break*

15:50-16:30 Network Analysis and Landscapes. Gabriela Ochoa

16:30-17:00 Phase Transitions and Their Algorithmic Implications. Andrew Parkes

20:00 Evening dinner: Tarn Thai Restaurant - 9 George Street, Nottingham, NG1 3BH.
0115 959 9454. This meal will probably be followed by spending some time in a
cave at ‘Ye Olde Trip to Jerusalem’ (<http://www.triptojerusalem.com/>) one of
Nottingham’s most historic sites.

Friday June 5th

09:15-09:30 *Coffee*

09:30-10:15 Heuristics for Dynamic Resource Allocation – Part I. Kevin Glazebrook

10:15-10:30 *Coffee break*

10:30-11:15 Heuristics for Dynamic Resource Allocation – Part II. Kevin Glazebrook

11:15-11:45 Hyper-Heuristics: Heuristics to Choose Heuristics. Ender Ozcan

11:45-12:15 Heuristics to Generate Heuristics (Genetic Programming). Matthew Hyde

12:15-14:00 CS Atrium: *Lunch* with concurrent Poster Session

14:00-14:30 PLOSR: Managing and Exploiting Multiple IP Models. Jakub Marecek

14:30-15:00 Defining the domain barrier within systems to build systems

- a) Active Data Specification Format For Multi-problem Benchmark Instances. Yuri Bykov
- b) Hyflex: A Flexible Framework for Decision Support. The Hyflex Team

15:00-15:30 Wrap-up, closing discussion, future plans.

Reminder: We supply room, coffee, lunch on Friday, but the rest (accommodation, travel, and Thursday dinner) needs to come from your own expenses. Wireless access will be available.

Latest version will be available at <http://www.lancs-initiative.ac.uk/index.php/Events/>