

## ASOR News — August 2013

### Contents

MODSIM/ASOR 2013 Conference Update	1
ASOR Melbourne Student Event	1
September ASOR Seminar	1
Upcoming OR Seminars	2
Recent Advances	2
Upcoming ASOR Events	2
MINLP workshop	2
ASOR Melbourne email List	2
ASOR Linked-In Group	2
Membership	2
Support for Visiting Researchers	2
Summary of OR workshops and conferences in Australia	3
Web Pages of Interest	3
Committee Membership for 2013-2014	3

### MODSIM/ASOR 2013 Conference Update

The MODSIM/ASOR 2013 conference organising committee has extended the submission deadline for full papers and extended abstracts until Monday August 26. They have advised that submissions made after that date cannot be guaranteed to be in the Proceedings, for example if extensive revision is required and final approval of the paper does not meet the Society deadline for producing the Proceedings. (*Whether considering MODSIM or ASOR, I should expect the same to apply*).

Should time be short for authors to write a full paper, the extended abstract only option (one full page without references) is available and will still allow you to present at MODSIM 2013. The submission of extended abstracts should also be made by August 26.

### ASOR Melbourne Student Event

ASOR Melbourne will be holding our annual OR student get-together, starting at **4pm on Wednesday 21 August**. This is an opportunity for students to socialise, meet industry practitioners and academics, and exchange views on their experiences. There will be two speakers as well as catered refreshments during the afternoon.

The ASOR Melbourne committee will be present, and of course the invitation to attend extends equally to our non-student members as well. For those in research and industry, this will be a way to make contact with the future of OR.

The venue is RMIT Room 8.9.66 (the Access Grid room, our usual venue for ASOR events) and it is free.

Please note that this event is not restricted to existing ASOR student members, and that we would appreciate if members could circulate this invitation to any students that they may be supervising or working with.

For enquiries, please contact Simon Dunstall or Cam MacRae (see contact info at the end of this newsletter).

### September ASOR Seminar

*Optimal Packing List for Mixed Produce Box Delivery*

**Marcelle Gannon, University of Melbourne**

For a university project I applied operations research techniques to a local business which home-delivers fixed-price boxes of mixed fresh produce. Currently the proprietor determines a satisfactory box contents list each week by trial and error. This project formulates a mixed-integer linear program to find an optimal list of produce types and quantities.

A method is developed for approximating the customers' perception of the box quality. Implementation is carried out in Excel and, following the tuning of parameters through discussions with the proprietor, suitable box listings

output. The optimisation process is fast, saving the proprietor time, but the major benefit is the ability to experiment with different price points each week, giving opportunities for increased profits and customer satisfaction.

## Upcoming OR Seminars

### ASOR Melbourne Series

#### ASOR Melbourne Annual Student Event.

21 August 2013, 4pm, RMIT Room 8.9.66.

**18 September 2013, 6pm**, RMIT Room 8.9.66 and other sites by Access Grid. **Marcelle Gannon**, University of Melbourne, *Optimal Packing List for Mixed Produce Box Delivery*.

**16 October 2013, 6pm**, RMIT Room 8.9.66 and other sites by Access Grid. **Guy Eitzen**, Aurecon.

### AMSI/ANZIAM AGR National Seminars

For more information about these events, visit <http://www.amsi.org.au/index.php/research-a-higher-education-mainmenu/access-grid/national-seminar-series>.

## Recent Advances

Another successful Recent Advances mini-conference was held in July, once again running smoothly mainly through the efforts of Paul Lochert and Kaye Marion.

Amongst the talks originating from Melbourne and Newcastle were four student talks, all of which were of extremely high quality in both content and presentation style. It was very hard for the committee to decide on a winner of the student prize: we had a scoring system and only two points out of twenty separated the joint first, second and third placed speakers. The joint winners were Niraj Dayama from IIT/Monash/CSIRO and Hadi Charkhgard from U. Newcastle. Both receive a \$250 cash prize for their efforts.

## Upcoming ASOR Events

Our Fleet Management Workshop with DSTO has been deferred until October. Watch the ASOR Melbourne email list for more information.

## MINLP workshop

*Optimisation and Operations Research in Melbourne* is holding a one-day workshop on MINLP. Invited speakers Timo Berthold and Ambros Gleixner will present a one-day workshop on MINLP topics on September 25th. Topics will include basic algorithms for LP-based MIP, extensions for discrete nonlinear constraints, extensions for nonconvex MINLP and applications.

Further details, including the venue and schedule updates, can be found on [www.or.ms.unimelb.edu.au](http://www.or.ms.unimelb.edu.au). This workshop is made possible through the generous support from NICTA ORG and the Faculty of Engineering (University of Melbourne).

## ASOR Melbourne email List

If you need to update your details for our mailing list, [melbourne-list@asor.org.au](mailto:melbourne-list@asor.org.au), visit the web page at [http://asor.org.au/mailman/listinfo/melbourne-list\\_asor.org.au](http://asor.org.au/mailman/listinfo/melbourne-list_asor.org.au), where you can maintain your information, subscribe or unsubscribe.

## ASOR Linked-In Group

Members who have accounts LinkedIn should visit <http://www.linkedin.com/groups/Australian-Society-Operations-Research-4473262>, which covers ASOR nationally.

## Membership

Are you a lapsed member but still on the ASOR mailing list? Please do stay on the list, but also strongly consider renewing your ASOR membership. Newly-redesigned membership forms are online at <http://www.asor.org.au/melbourne/membership.html>.

## Support for Visiting Researchers

Have you got an interstate or international visitor? ASOR Melbourne has committed funds to assist with the costs of visits, in exchange for visitors giving a seminar for the members. Contact your favourite committee member to discuss the opportunities.

## Summary of OR workshops and conferences in Australia

**MODSIM 2013 / ASOR 2013.** Adelaide Convention Centre, December 1-6, 2013. The Theme of the conference is Adapting to Change: the multiple roles of modelling. MODSIM 2013 incorporates DORS and the 2013 ASOR National Conference. <http://mssanz.org.au/modsim2013>

The 4<sup>th</sup> **Freight Logistics Optimisation Workshop (FLOW)**, on 9 December 2013, is a one-day course introducing optimisation to logistics practitioners in industry. Holiday Inn, Flinders Lane, City. FLOW is a joint initiative of CSIRO, ASOR and the Logistics Association of Australia.

## Web Pages of Interest

We are affiliated with FASTS through AMSC. To keep abreast of FASTS activities, consult:

[www.usyd.edu.au/fast](http://www.usyd.edu.au/fast)

ASOR National: [www.asor.org.au](http://www.asor.org.au)

ASOR Melbourne Chapter:  
<http://www.melbourne.asor.org.au/>

NZ OR Society <http://www.orsnz.org.nz/>

ORS (UK): <http://www.orsoc.org.uk/>

INFORMS (US): <http://www.informs.org/>

IFORS: <http://www.ifors.org>

Optimisation in Melbourne:  
<http://www.or.ms.unimelb.edu.au/>

For the latest international news, conference and jobs details see: <http://www.ifors.org/panorama/index.html>

tutOR: <http://www.tutor.ms.unimelb.edu.au>

## Committee Membership for 2013-2014

**Chair — Simon Dunstall,**  
0417 330 231, [simon.dunstall@csiro.au](mailto:simon.dunstall@csiro.au)

**Vice Chair — Patrick Tobin,**  
03 9953 3199, [Patrick.Tobin@acu.edu.au](mailto:Patrick.Tobin@acu.edu.au)

**Secretary — Kaye Marion,**  
03 9925 3162, [k.marion@rmit.edu.au](mailto:k.marion@rmit.edu.au)

**Treasurer — Paul Lochert,**  
03 9802 4628, [plochert@bigpond.net.au](mailto:plochert@bigpond.net.au)

**Student Representative — Cameron MacRae,**  
[cameron.macrae@rmit.edu.au](mailto:cameron.macrae@rmit.edu.au)

### Committee:

**Moshe Sniedovich**  
03 8344 5559,  
[m.sniedovich@ms.unimelb.edu.au](mailto:m.sniedovich@ms.unimelb.edu.au)

**Henry Burley**  
03 9458 1872, [h.burley@latrobe.edu.au](mailto:h.burley@latrobe.edu.au)

**Red Ceglowski**  
03 9903 4569,  
[Andrzej.Ceglowski@buseco.monash.edu.au](mailto:Andrzej.Ceglowski@buseco.monash.edu.au)

**Gaurav Singh**  
03 9545 8467, [Gaurav.Singh@csiro.au](mailto:Gaurav.Singh@csiro.au)

**David Marlow,**  
[david.marlow@dsto.defence.gov.au](mailto:david.marlow@dsto.defence.gov.au)

**Melih Ozlen**  
03 9925 3007, [melih.ozlen@rmit.edu.au](mailto:melih.ozlen@rmit.edu.au)

**Mohsen Jafari Songhori,**  
[m.jafarisonghori@student.unimelb.edu.au](mailto:m.jafarisonghori@student.unimelb.edu.au)

**Baikunth Nath (ex-officio)**  
0433 926 091, [baikunth@unimelb.edu.au](mailto:baikunth@unimelb.edu.au)

**Newsletter Editor — Simon Dunstall**

<p>The AUSTRALIAN SOCIETY for OPERATIONS RESEARCH Inc. MELBOURNE CHAPTER GPO Box 1048, Melbourne, Vic 3001</p>
----------------------------------------------------------------------------------------------------------------------------