

# Optimisation in Aged Care

## ECP workshop

23 June 2017, 9am – 14:30pm, Room 8.9.66 RMIT City Campus

The workshop is aimed at identifying research problems in aged care, particularly from the optimisation perspective, and at providing mathematical solutions. Our key presenter is Ronda Held, Chief Executive Officer, Victorian Council on The Ageing.

To register, please visit our web page: <https://sites.rmit.edu.au/rmitopt/ecp/>.

Time	Activity
9:00 – 9:30	Coffee and informal introductions
9:30 – 10:30	Ronda Held (including Q&A)
10:30 – 11:15	Identifying problems in aged care, facilitated by John Hearne
11:15 – 12:15	Group discussions
12:15 – 12:45	Groups suggest potential solutions and research directions
12:45 – 13:30	Lunch
13:30 – 14:30	Wrap up session

### Confirmed Participants

**Jeffrey Chan** RMIT University  
**Roberto Cominetti** Universidad Adolfo Ibáñez (Chile)  
**Tran Quoc Duyet** RMIT University  
**Andrew Eberhard** RMIT University  
**Jerzy Filar** University of Queensland  
**Behrooz Ghahemishabankareh** RMIT University  
**John Hearne** RMIT University  
**Ronda Held** Victorian Council on The Ageing  
**Nur Inyani** RMIT University  
**Scott Lindstrom** University of Newcastle  
**Fabricio Oliveira** RMIT University  
**Melih Ozlen** RMIT University  
**Vera Roshchina** RMIT University

### Suggested reading

Fikar, & Hirsch. (2017). Home health care routing and scheduling: A review. *Computers and Operations Research*, 77, 86-95.

Eveborn, Flisberg, & Rönnqvist. (2006). Laps Care—an operational system for staff planning of home care. *European Journal of Operational Research*, 171(3), 962-976.

Rasmussen, Justesen, Dohn, & Larsen. (2012). The Home Care Crew Scheduling Problem: Preference-based visit clustering and temporal dependencies. *European Journal of Operational Research*, 219(3), 598-610.

Operations Research Improves Quality and Efficiency in Home Care. (2009). *Interfaces*, 39(1), 18-34.

Organisers: Andrew Eberhard, John Hearne, Xiaodong Li, Fabricio Oliveira and Vera Roshchina