

# セミナー開催通知

## Special seminar

Title: Recent Developments for Real World Combinatorial Optimisation Problems

Speaker: Prof. Rong Qu, Ph.D.

Associate Professor at the Automated Scheduling, Optimisation And Planning (ASAP) Research Group at the University of Nottingham

Date & time: 2017/01/20, 16:30~18:00

Place: Room 102, Building 8 (North Wing), School of Engineering

**Abstract:** Combinatorial optimisation problems present to be challenging in many real world scenarios in various business sectors. This seminar presents some of our recent research on hybrid metaheuristics for several scheduling and optimisation problems including logistic transport routing and personnel scheduling. Other problems addressed are portfolio optimisation, telecommunication network routing problems, and timetabling problems etc. using hybrid algorithms including hyper-heuristics and evolutionary algorithms.

**Prof. Rong Qu**, Ph.D. is an Associate Professor at the Automated Scheduling, Optimisation And Planning (ASAP) Research Group at the University of Nottingham. Her main research interests include the modelling and optimisation algorithms for scheduling and optimization algorithms in logistic transport scheduling, personnel scheduling, telecommunication network routing, portfolio optimisation, and timetabling problems, etc. by using evolutionary algorithms, mathematical programming, constraint programming in operational research and artificial intelligence, and hybridisations of these techniques. Dr Qu is an IEEE Senior Member since 2012 and an associate editor at Computational Intelligence Magazine. She is the chair of Task Force of Hyper-heuristics at IEEE Computational Intelligence Society, and the lead guest editor of Special Issue on Artificial Intelligence Planning and Scheduling at Journal of Scheduling. She has published more than 50 peer-refereed papers at international journals since 2000. Among these several have been awarded the Top Cited Paper at leading OR journals, and ranked the top 1%, or top 10% cited papers by ISI Essential Science Indicators. Dr. Qu has been the program chair of 15 symposium, workshops and special sessions at conferences on evolutionary computation, computational intelligence, and scheduling.

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