

CARE10 @IAT

Collaborative Agents -- REsearch & Development (CARE) www.csse.monash.edu.au/~xtg/CARE2010

One-day international workshop held at the International Conference on Intelligent Agent Technology (IAT)

York University, Toronto, Canada
8:30am, 31 August, 2010

Contact: CARE organisers
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Invited Speaker
TBA

General Chair

Christian Guttman *Monash University, Australia*
Frank Dignum *University Utrecht, Netherlands*

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Marcelo Ribeiro *P.C.Uni of Rio Grande do Sul, Brazil*
Simon Goss *(DSTO, Australia)*

Please check the CARE 2010 webpage for updates of committee/invited speakers!

For further updates & discussions, please join the CARE/AAMAS groups on *LinkedIn*

Important Dates

Abstract submission: **April 14, 2010**
Full paper submission: **April 16, 2010**

Notification: May 28, 2010
Camera ready: June 7, 2010



Workshop Summary Collaboration is required when multiple agents achieve complex goals difficult or impossible to attain for an individual agent. This collaboration takes place under conditions of incomplete information, uncertainty, and bounded rationality, much of which has been studied in economics and artificial intelligence. However, many real world domains are characterised by even greater complexity, including unreliable collaborators, complex market and incentive frameworks, and complex transaction costs and organisational structures. This workshop's thematic focus is on **collaborative and autonomous agents that plan, learn, negotiate, coordinate, and act** under this complexity. Student participation welcome!

Topics of Interest (not limited to)

Research	Application Areas
Collaboration frameworks	Collaborative care management
Teamwork and joint action	Disaster management
Organisation/Institutes/Norms	Transport/Logistics
Task/Resource allocation	Primary & preventative healthcare
Behaviour modelling/monitoring	Chronic disease management
Adherence/Interven. mechanisms	Unmanned air/land vehicles
Incentive frameworks	Robotic soccer/Robotic rescues
Intervention mechanisms	Artificial/natural immune systems
Agreement technology	Social networks (LinkedIn, etc)
Contract networks/formation	Smart grid networks

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