



TOPIC	A Survey on Task Allocation Problem In Multi-agent Systems
AREA	Multi-agent Systems, Cooperative Control, Task Allocation, Robotics
SPEAKER	Laya Shambah, PhD students, ACIT Center, North Carolina A&T State University
DATE	30 October 2014, Thursday
TIME	11:05 AM to 11:30 AM
VENUE	ACIT Center, Room 342, Fort IRC Bldg, North Carolina A&T State University, 1601 East Market Street, Greensboro, NC 27411
FEES	No Charge

SYNOPSIS

Cooperative control of multi-agent systems increases the capabilities of the team and enhances the robustness of the overall structure. An important problem in cooperative control of multi-agent systems is that having the assigned mission, how to allocate the tasks or sub-tasks for individual members of the group, so that the team can achieve the assigned mission cooperatively. This talk provides the general picture for the task allocation problem and its applications, reviews existing methods, and discusses proper setups and formalisms, as well as future challenges.

ABOUT THE SPEAKER

Laya Shambah received her Bachelor of Electrical Engineering from the Polytechnic University, Tehran, Iran, in 2009, and her Master of Science in Electrical Engineering- Control Systems from Sharif University of Technology in 2011. She is currently a PhD student at North Carolina A&T State University. Her research interests include Cooperative Control, Multi-agent Systems, Multivariable Control, Process Control and Automation.

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