Multi-Agent Sistems

2nd Assignement – Goldbach's Conjecture

Master in Electrical Engineering
Electrical Engineering Dept.
Institute of Technology
University of the Algarve

Pedro Cardoso

Updated: March 21, 2017

Introduction

Multi-agent systems (MAS) consist of multiple intelligent agents that interact to solve problems that may be beyond the capabilities of a single agent or system. For many years, conceptual MAS designs and architectures have been proposed for applications in power systems and power engineering. With the increasing use and modeling of distributed energy resources for microgrid applications, MAS are well suited to manage the size and complexity of these energy systems.

[Kantamneni et al., 2015]

Assignement

Write a summary/review on the paper [Kantamneni et al., 2015]

> Abhilash Kantamneni, Laura E. Brown, Gordon Parker, Wayne W. Weaver, Survey of multi-agent systems for microgrid control, Engineering Applications of Artificial Intelligence, Volume 45, October 2015, Pages 192-203, ISSN 0952-1976.
>
> (http://www.sciencedirect.com/science/article/pii/S0952197615001529)

Whenever possible you should make your on comments, supported on other works or in your own ideas. Reading, referring and commenting other related works will give you extra credits.

What and when to deliver

The review should contain at least 3 pages following the template given in https://goo.gl/Mey6w9.

Although you can deliver your work up to the exams dates, we advise you to deliver it earlier. A good date would be May, 30th.

Final remarks

If you have any doubts, please contact the professor directly or by email –
pcardoso@ualg.pt

References

[Kantamneni et al., 2015] Kantamneni, A., Brown, L. E., Parker, G., and
Weaver, W. W. (2015). Survey of multi-agent systems for microgrid con-
trol. *Engineering Applications of Artificial Intelligence*, 45:192 – 203.