



Department of Electrical and Computer Engineering

SENG 697 – Agent-based Software Engineering

Assignment for Tutorials

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(Revision 1.00)

Assignment: Information Collection and Survey

Delivery Date : **October 25th, 2010 (Tue)**

Grade : %40 of the total mark.

This assignment is an individual assignment.

Part 1: Information collection and survey

The following table depicts 10 methodologies for agent-based software development. You will be assigned with a methodology. Write about minimum 4 standard pages (12 pts, single spaced, 32 to 36 lines, A4/letter size paper, excluding the title page and references) tutorial including and introduction, underlying concepts and models and how the methodology can be used to build agent-based systems. Note that there is no page limit. Your report can have any number of pages as long as it conforms to the format (presentation style) described below.

No.	Author	Year	Title	Source
1	M. Wooldridge, N.R. Jennings, D. Kinny	2000	The Gaia Methodology for Agent-Oriented Analysis and Design	Autonomous Agents and Multi-Agent Systems, 3, 285-312, 2000.
2	S.A. DeLoach, E.T. Matson, Y. Li	2002	Applying Agent Oriented Software Engineering to Cooperative Robotics	Proceedings of The 15th International FLAIRS Conference (FLAIRS 2002). Pensacola, Florida. May 16-18, 2002.
3	L. Padgham and M. Winikoff	2002	Prometheus: A Methodology for Developing Intelligent Agents	Proceedings of the First International Joint Conference on Autonomous Agents and Multi-Agent Systems (AAMAS 2002).
4	F. Giunchiglia, J. Mylopoulos, and A. Perini	2002	The tropos software development methodology: processes, models and diagrams	Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 1. Bologna, Italy
5	C.A. Iglesias, et al.	1997	Analysis and Design of Multiagent Systems using MAS-CommonKADS	Proceedings of the AAAI'97 Workshop on Agent Theories, Architectures and Languages, Providence, USA, July,

				1997.
6	R. Evans, et al.	2001	MESSAGE: Methodology for Engineering Systems of Software Agents	EURESCOM Participants in Project P907, EDIN 0223-0907
7	S. Poslad, et al.	2000	The FIPA-OS agent platform: Open Source for Open Standards	Proceedings of PAAM 2000, Manchester, UK, pp355-368, 2000
8	A.K. Galan	2000	JiVE: JAFMAS integrated Visual Environment, MSc Thesis	Division of Research and Advanced Studies of the University of Cincinnati
9	M. Garijo A. Cancer J.J. Sánchez	1996	A Multiagent System for Cooperative Network-Fault Management	In Proceedings of the First International Conference on the Practical Application of Intelligent Agents and Multi-agent Technology (PAAM-96), pp. 279-294, London, UK, 1996.
10	M. Cossentino, C. Potts	2002	A CASE tool supported methodology for the design of multi-agent systems	The 2002 International Conference on Software Engineering Research and Practice (SERP'02) - June 24 - 27, 2002 - Las Vegas (NV), USA

Part 2: Evaluation of the Methodologies

For the methodology you are reviewing, you should evaluate it against the criteria depicted in table below. The evaluation weight can be between 0 and 10 with 0 means 'no support' and 10 means 'full support' of the property. For each of the answers you should provide a short justification argument (one paragraph or more).

Please download questionnaire from course web page.

Evaluation:

The report will be marked as follows:

1. Contents of the document : 80%.

How well have you described the topic?

How well have you described the underlying concepts, definitions?

Did you describe the whole image of the methodology covered?

Did you separate the authors' ideas and those of yours clearly?

2. Presentation style and referencing : 20%

Do you have an abstract, introduction and conclusions?

Do you have paragraphs with headings where appropriate?

Do you have references in the text?

Do you have a reference list at the end with links to papers, books or URLs where appropriate?

Do you have an acknowledgements section if you got any help from anyone?

Have you submitted both the electronic (in Word or html) and printed versions?