University of Technology, Sydney

Faculty of Information Technology

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Utilising Dynamic Roles in Agent Oriented Methodologies

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CERTIFICATE OF ORIGINALITY
of Project Work

I certify that this work has not already been submitted for any degree and is not being submitted as part of any other degree.

Sources used have been acknowledged within this project.

Signature of candidate

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"When I use a word," Humpty Dumpty said, in a rather scornful tone, "it means just what I choose it to mean - neither more nor less."

- Lewis Carroll -- Through the Looking Glass

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Abstract (100)

Agent Oriented Software Engineering (AOSE) is a promising area of research with many potentially useful applications. The use of Roles within AOSE has been noted as an important enabling feature, but there is still much conjecture as to their form and usage. This paper seeks to form a singular description of an Agent Role. So that this Role definition can be used in a wider context, this paper addresses incorporating this Role Model into an existing AOSE Methodology. The paper also looks at the ways in which effective reuse of Roles in Multi Agent Systems can be enhanced.

Keywords:

Agent Oriented Software Engineering,
Agent Oriented Methodologies, Roles, Reuse

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