

Workshop on MModel Driven Development for Middleware (MODDM)

November 27 - December 1, MELBOURNE, AUSTRALIA

ACM/IFIP/USENIX 7th International Middleware Conference

URL: <http://www.cse.unsw.edu.au/~limingz/middleware2006/>



Important dates

Submission : 1st, Sept

Notification : 22nd, Sept

Camera ready: 14th, Oct

Organizing Committee

Ian Gorton, PNNL

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Middleware refers to a broad class of software infrastructure technologies that use abstractions to simplify construction of distributed systems. While middleware has been widely used for developing distributed applications, and to solve many significant problems, its development and use is by no means straightforward. Model Driven Development (MDD) aims to raise the level of abstraction for software development by advocating the use of models as the key artefacts in software development, from system specification and analysis, to design and testing. The rapidly maturing MDA/UML tools and Microsoft's software factory initiative and the Domain Specific Language (DSL) support state-of-the-art engineering practices in MDD.MDD provides concepts and approaches for capturing and reusing knowledge in deployment platforms such as middleware.

This workshop will bring together academic researchers, MDD tool builders and MDD practitioners, especially those targeting middleware platforms such as J2EE/.Net/CORBA/Web Services, WS-* frameworks, Enterprise Service Bus (ESB), Message bus, Web Service Management (WSM) platforms, workflow infrastructure, and EAI frameworks. The topics of the workshop will include but are not limited to:

- Methods and tools for application modeling, model transformation and code generation in the context of middleware platforms
- Analytical models for middleware platforms and applications to study and predict their quality characteristics
- Approaches for variability modeling and middleware product lines
- Best modeling practices for middleware and cross-cutting concerns; aspect oriented modeling
- Approaches for modeling component and service middleware
- Middleware profiles for general-purpose modeling languages and domain-specific modeling languages. Comparisons of different approaches.
- Model driven testing for middleware platforms
- Model driven frameworks for quality attributes
- Model integration between middleware models and other models
- Platform monitoring, auditing, exception managements, measurement models for middleware
- Experience reports

Paper Submission

All contributions will be peer reviewed and evaluated based on originality, technical quality and relevance to the workshop theme. Papers must be no longer than six pages and follow the ACM SIG Proceedings Format. Papers can be submitted through our submission system.