



Minitrack "Tools for Model Driven Development" at HICSS 40

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URL: <http://www.cse.unsw.edu.au/~limingz/hicss40/>

Important Dates

Abstract: May 20

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Model Driven Development (MDD) is gaining significant momentum in both the software industry and the software engineering academic community. The rapidly increasing maturity of various MDA/UML tools for MDD and Microsoft's introduction of the software factory initiative and the Domain Specific Language (DSL) support state-of-the-art engineering practices. Concurrently, leading academic research is exploring new MDD approaches such as aspect modelling, domain specific modelling, graph/model transformation, visual modelling and generative programming.

This minitrack will bring together leading academic researchers and MDD tool builders. It will provide a forum for discussion on the state-of-the-art and innovations in MDD technologies. The minitrack will explore the capabilities of existing MDD tools, and describe successful usage of MDD in industry. By understanding the capabilities and limitations of the state-of-the-art, the minitrack will provide a forum for the exchange of ideas on how MDD tools can incorporate new features from the research community to produce the next-generation of MDD technologies.

Topic of Interests

The topics of the mini track will include but not limited to:

- * Tools for requirements modelling and traceability in MDD
- * Approaches for variability modelling and software product lines
- * Tools for modelling software architectures, components and services
- * Case studies and experience reports describing the advantages and disadvantages of MDD
- * Domain specific modelling in vertical domains (business specific domains)
- * Best modelling practices for cross-cutting concerns, meta-models, and model integration
- * Model transformation, code generation and model configuration technologies
- * Model verification and validation
- * Standardization issues in MDD
- * MDD in the software development lifecycle
- * Comparisons of different MDD approaches (e.g. MDA, DSL)
- * MDD best practice