The 5th ACM Workshop on
Formal Methods in Security Engineering
From Specifications to Code
held in conjunction with
14th ACM Conference on Computer and Communication Security (ACM CCS’07)

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CALL FOR PAPERS

Information security has become a crucial concern for the commercial deployment of almost all applications and middleware. Although this is commonly recognized, the incorporation of security requirements in the software development process is not yet well understood. The deployment of security mechanisms is often ad hoc, without a formal security specification or analysis, and practically always without a formal security validation of the final product. Progress is being made, but there remains a wide gap between high-level security models and actual code development.

We aim to bring together researchers and practitioners from both the security and the software engineering communities, from academia and industry, who are working on applying formal methods to the design and validation of large-scale systems.

We seek original research papers addressing foundational issues in formal methods in security engineering. Topics covered include, but are not limited to:

• security requirements and risk analysis
• access control models, information flow models, and trust models
• specification and analysis of security properties
• stepwise development by refinement and composition
• computationally sound abstraction
• program logics and type systems for security
• other techniques for verification and static analysis
• tool support for the development and analysis of security-critical systems
• design and analysis of security protocols
• security aspects of operating systems and middleware
• case studies

All submissions will be peer-reviewed. Authors of accepted papers must guarantee that their paper will be presented at the workshop. Final proceedings will be published by the ACM.

Submission Guidelines
Submissions must be received by Sunday June 10, 2007 to be considered. For submitting a paper, follow the guidelines on the FMSE’07 webpage at http://www.fmis.informatik.tu-darmstadt.de/fmse07/.

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