Preface

Digital identity management is becoming an integral part of our lives and businesses as more and more of the online interactions in which we participate depend on networked computer systems communicating potentially sensitive identity information across personal, company, and enterprise boundaries. Conversely, the abuse of digital identities (e.g. identity theft, eavesdropping, hacking, profiling, etc.) poses an increasing threat to both our privacy and finances – thereby affecting society's collective confidence in online interactions.

This special issue is devoted to a selection of the contributed papers presented at the Third ACM Workshop on Digital Identity Management – DIM 2007, held in conjunction with the 14th ACM Conference on Computer and Communications Security, CCS2007.

Two papers were selected from 10 workshop papers and were extended and revised for this special issue. The first paper "Identity federation for VoIP systems" investigates an important problem in the emerging VoIP systems and proposes VoIP Identity Federation Framework with interesting use cases. The second paper "Assurance for federated identity management" describes the importance of identity assurance particular for federated identity management, and shows how assurance models can technically demonstrate identity assurance. I hope this special issue contributes to our exploration of the frontier of digital identity management through the DIM workshop series.

I would like to express my gratitude to the DIM 2007 program committee and external reviewers, who worked very hard in reviewing papers and providing suggestions for their improvements. Finally I would also like to thank Editors-in-chief, Professor Sushil Jajodia and Dr. Jonathan K. Millen, for their kind advice in editing this issue.

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