Foreword

Welcome to the First IEEE International Workshop on Middleware Engineering (ME 2009), in conjunction with the 33rd Annual IEEE International Computer Software and Application Conference (COMPSAC 2009). Research in middleware systems has evolved from simple client server models to distributed systems, peer-to-peer (P2P) systems, mobile devices, service oriented computing, grid computing, agent based computing, smart environment, and sensors network. Each of the above areas in distributed computing, peer-to-peer computing, service oriented computing, grid computing, agent based computing and smart devices, and sensor networks, poses its own unique challenges in the design, development and deployment of middleware, its components and applications using such middleware. The main objective of the middleware engineering workshop is to bring together researchers and practitioners working in middleware systems with topics ranging from different areas from the aforementioned areas under one roof with an aim of encouraging exchange of ideas and experiences among these diverse communities.

We appreciate all the authors, who have submitted their papers. The review process was competitive with each paper receiving at least three reviews, and finally 6 full papers were accepted for the workshop presentation and proceedings.

This technical program is the result of hard work, and dedication of all the authors, program committee members, steering committee members and the COMPSAC 2009 organizers. Our special thanks go to COMPSAC 2009 workshop chair, Sheikh Iqbal Ahamed. We highly appreciate their efforts and time. We thank all of them.

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