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Preface

In the past few years, intelligence and security informatics (ISI) research, which is concerned with the study of the development and use of advanced information technologies and systems for national and international security-related applications, has experienced tremendous growth and attracted substantial interest from academic researchers in related fields as well as practitioners from both government agencies and industry. The ISI community is maturing, and a core set of research methodologies and technical approaches has emerged and is becoming the underpinning of ISI research.

The first two meetings (ISI 2003 and ISI 2004) in the ISI symposium and conference series were held in Tucson, Arizona. With sponsorship by the IEEE Intelligent Transportation Systems Society, ISI 2005 was held in Atlanta, Georgia. Building on the momentum of these ISI meetings, we held ISI 2006 in San Diego, California, in May 2006. In addition to the established and emerging ISI technical research topics, ISI 2006 included a track on terrorism informatics, which is a new stream of terrorism research leveraging the latest advances in social science methodologies, and information technologies and tools.

ISI 2006 was jointly hosted by the University of California, Irvine (UCI); the University of Texas at Dallas (UTD); and the University of Arizona (UA). The two-day program included one plenary panel discussion session focusing on the perspectives and future research directions of the government-funding agencies, several invited panel sessions, 69 regular papers, and 56 posters. In addition to the main sponsorship from the National Science Foundation, the Intelligence Technology Innovation Center, and the U.S. Department of Homeland Security, the conference was also co-sponsored by several units within the three hosting universities, including: the ResCUE project at the California Institute of Telecommunications and Information Technology (Calit2) at UCI, the Database Research Group in the Bren School of Information and Computer Sciences at UCI; the Eller College of Management and the Management Information Systems Department at UA; the NSF COPLINK Center of Excellence at UA; the Artificial Intelligence Laboratory at UA; the Intelligent Systems and Decisions Laboratory at UA; and the Program for Advanced Research in Complex Systems at UA. We also thank the Public Health Foundation Enterprises (PHFE) Management Solutions and the Chesapeake Innovation Center for their generous support.

We wish to express our gratitude to all members of the ISI 2006 Program Committee and additional reviewers who provided high-quality, constructive review comments under an unreasonably short lead-time. Our special thanks go to Edna Reid, who recruited high-caliber contributors from the terrorism informatics research community and helped process submissions in the terrorism informatics area. We wish to express our gratitude to Quent Cassen, Jean Chin, Catherine Larson, Priscilla Rasmussen, and Shing Ka Wu for providing excellent conference logistics support. ISI 2006 was co-located with the 7th Annual National Conference on Digital Government Research (DG.O). We wish to thank the DG.O organizers and support staff for their cooperation and assistance. We also would like to thank the Springer LNCS editorial and production staff for their professionalism and continuous support of the ISI symposium and conference series.

Our sincere gratitude goes to all of the sponsors. Last, but not least, we thank Larry Brandt, Art Becker, Robert Ross, Valerie Gregg, and Joshua Sinai for their strong and continuous support of the ISI series and other related ISI research.

May 2006

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