

# Editorial

We are extremely delighted to welcome you to the first issue of the Journal of Information Assurance and Security (JIAS). JIAS is a peer reviewed international journal with a key objective to provide the academic and industrial community a medium for presenting original research and applications related to information assurance and security.

The global economic infrastructure is becoming increasingly dependent upon information technology, with computer and communication technology being essential and vital components of Government facilities, power plant systems, medical infrastructures, financial centres and military installations to name a few. Finding effective ways to protect information systems, networks and sensitive data within the critical information infrastructure is challenging even with the most advanced technology and trained professionals. The need for innovative information assurance/security tools has become more intense due to the advent of the Internet which has led to a new age of accessibility to information. The increasing complexity with a shortage of skilled professional's points towards an inevitable need to investigate novel security paradigms.

JIAS intends to publish original and unpublished work that describes current research in information assurance and security on both the theoretical and methodological aspects, as well as applications to solve real world problems. JIAS will be published quarterly (four issues every year). JIAS publishes two types of articles: *regular* papers and *brief* papers. *Regular* papers describe recent fundamental contributions in the field and *brief* papers are targeted for the rapid publication of special short communications. Each manuscript will be thoroughly reviewed by 3 or more independent reviewers.

We would like to take this opportunity to thank all the people who have helped in launching this new journal. In particular, Ms. Annette Rohrs from the School of Mathematics, Georgia Institute of Technology, has provided us tremendous help in typesetting. We would also like to express our gratitude to all our Editorial board members who provided us with a lot of support and advice, and who will continue to support us in the coming years. All of them are established researchers in their field and I am sure that their international reputation and great expertise in the field of information assurance and security will have a significant contribution in shaping up JIAS as a reputed international journal. JIAS also rely on their expertise for selecting the best papers for publication. We are honored and fortunate to work with a strong technical editorial board.

Our special thanks go to all the authors who have contributed papers to the inaugural issue of JIAS. We hope to build JIAS so that it becomes a central forum for the information assurance and security community and one of the main media for presenting original research ideas. We encourage researchers from all disciplines and specialties to submit their papers, as well as reviews, and letters to the editor. Finally, we welcome all suggestions and criticisms on how to improve the quality of our journal.

Thanks again for all your encouragements and support. We look forward to working with you again.

**Ajith Abraham**  
Editor in Chief

April 03, 2006

**M. Sambandham**  
Co-Editor-in-Chief

**Chuang Peng**  
Managing Editor

Journal of Information Assurance and Security (JIAS)  
<http://www.softcomputing.net/jias/>