Welcome Message from the General Chair

We would like to welcome you to the 2008 International Conference on Advanced Software Engineering & Its Applications (ASEA 2008). On behalf of the conference committees, we appreciate you for your participation, and hope that you will enjoy the presentations and social programs offered in this conference.

ASEA 2008 will be the most comprehensive conference focused on the various aspects of advances in Software Engineering & Its Application. This Conference provides a chance for academic and industry professionals to discuss recent progress in the area of Software Engineering & Its Application. Furthermore, we expect that the conference and its publications will be a trigger for further related research and technology improvements in this important subject.

Our conference will bring together the researchers from academia and industry as well as practitioners to share ideas, problems and solutions relating to the multifaceted aspects of Software Engineering & Its Application.

The great success of ASEA 2008 would not have been possible without the huge support from our organizers and sponsors, and the work of our chairs and International Advisory Board members, and these are listed in the following pages. We would like to give special thanks to the conference organizers; KIIT, SSST, SERSC, ECSIS, ACS and CEECS-NIU.

With our best regards,

Haeng-kon Kim, Catholic University of Daegu, Korea

ASEA 2008 General Chair
Welcome Message from the Program Co-Chairs

We would like to extend our welcome and express our gratitude to all of the authors of submitted papers and to all of the attendees, for their contributions and participation.

ASEA 2008 has attracted about 402 submitted papers from more than 20 countries. The submitted extended abstracts and papers went through a thorough reviewing process. As a result, about 60 articles were accepted to be included in the ASEA 2008 proceedings published by IEEE CS, reflecting (but not limited to) the following areas:

- Component-Based Software Engineering
- Software Requirements Engineering
- Software Architectures & Design
- Information Engineering
- Visual and Multimedia Computing
- Economic and Financial Systems
- Software Security
- Modeling with UML
- Reverse Engineering & Reengineering
- Use Cases, Scenarios
- Middleware Design Techniques
- Software Economics & Cost Modeling
- Programming Languages
- Software Tools and Development environments
- Software Policy and Ethics
- Theory, Formal Methods and Tools
- Design Patterns and Frameworks
- Software Safety and Reliability
- Web Engineering, & Web-Based Applications
- Software Process Models
- Information Management Systems
- Software Testing & Analysis
- Software Components and Reuse
- Case Studies
- Object-Oriented Techniques
- Project Management and Maintenance
- Embedded and Real-Time Software
- Empirical Software Engineering and Metrics
- Aspect-Orientation and Feature Interaction
- Software Development Methodology
- Software Process Improvement
- Project Management
- Quality Model
- Cost Estimation
- Numerical Analysis Development of Algorithms

And some papers were invited from Chairs and Committee members to be included in our ASEA 2008 proceedings.

Achieving such a high quality of proceedings would have been impossible without the huge work that was undertaken by the International Program Committee members. We take this opportunity to thank them for their great support and cooperation.

Sincerely yours,

Tai-hoon Kim, Hannam University, Korea
Akingbehin Kiumi, University of Michigan-Dearborn, USA

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