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The 2009 Pacific-Asia Conference on Knowledge Engineering and Software Engineering (KESE 2009) will be held on December 19–20, 2009, Shenzhen, China. The two book are composed of 275 excellent papers selected from KESE 2009, which I will be delighted to introduce to you.

These high-quality papers of the Proceedings have been strictly peer-reviewed by famous experts, scholars and professors of the related fields from home and abroad. Therefore, I am sure you will gain lots of useful information from it. The purposes of the excellent Proceedings are to encourage more scholars and professors to participate in the conference, communicate with peers on the recent development of the related fields and ensure the correct research direction.

Knowledge engineering (KE) was defined in 1983 by Edward Feigenbaum, and Pamela McCorduck as follows: KE is an engineering discipline that involves integrating knowledge into computer systems in order to solve complex problems normally requiring a high level of human expertise.

At present, it refers to the building, maintaining and development of knowledge-based systems. It has a great deal in common with software engineering, and is used in many computer science domains such as artificial intelligence, including databases, data mining, expert systems, decision support systems and geographic information systems. Knowledge engineering is also related to mathematical logic, as well as strongly involved in cognitive science and socio-cognitive engineering where the knowledge is produced by socio-cognitive aggregates (mainly humans) and is structured according to our understanding of how human reasoning and logic works.

Software Engineering (SE) is a profession dedicated to designing, implementing, and modifying software so that it is of high quality, affordable, maintainable, and fast to build. It is a “systematic approach to the analysis, design, assessment, implementation, test, maintenance and reengineering of software, that is, the application of engineering to software.” The term software engineering first appeared in the 1968 NATO Software Engineering Conference, and was meant to provoke thought regarding the perceived “software crisis” at the time. The IEEE Computer Society's Software Engineering Body of Knowledge defines “software engineering” as the application of a systematic, disciplined, quantifiable approach to the development, operation, and maintenance of software, and the study of these approaches; that is, the application of engineering to software. It is the application of Engineering to software because it integrates significant mathematics, computer science and practices whose origins are in Engineering.
KESE 2009 is to provide a forum for researchers, educators, engineers, and government officials involved in the general areas of Knowledge Engineering and Software Engineering to disseminate their latest research results and exchange views on the future research directions of these fields.

Special thanks for editors and experts from home and abroad. We also thank every participant. Without you, nothing could be done.
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