
Editorial

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Biographical notes: Yi Pan is the Chair and Full Professor of the Department of Computer Science at Georgia State University, Atlanta, Georgia, USA. He received his BE and ME in Computer Engineering from Tsinghua University, China, in 1982 and 1984, respectively, and PhD in Computer Science from the University of Pittsburgh, USA, in 1991. His research interests include parallel and distributed computing, cloud computing, wireless networks, and bioinformatics. He has published more than 100 journal papers with about 50 papers published in various IEEE/ACM journals.

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In a very short period of time, clouds and cloud computing have gone from being business buzz words to being recognised as vital areas of research, development and deployment. They have started and succeeded in changing the image of IT and influenced the operations of business, industry, governments and research institutions.

Although clouds and cloud computing are now recognised in many international conference series, which initiated the new research and development field, they have not been crowned by dedicated journals. As it stands, cloud computing is often seen as a topic on other broad journals – such as those for engineering, distributed computing and even in grid computing. Starting a new journal in an emerging, new technology seen by some as a set of technologies is a challenge but a vital and important step in improving the recognition of current cloud computing solutions and the nurturing of new cloud computing studies.

Cloud computing exploits the concepts of services and service-oriented architecture (SOA), virtualisation, web technology and standards, and computer clusters. Clouds are realisations of cloud computing where computing systems use these concepts and offer access to IT resources in an on-demand manner. The uniqueness of cloud computing comes from its innovative combination of tried and true technologies, methods and techniques using in preceding areas such as distributed computing, pervasive, mobile, virtual and (above all) utility computing. As a result, any form of IT provider, even small developers, can offer specialised cloud services on small computation systems. And in turn, any form of client, be it a computing expert or an application on a mobile device, is able to easy use and consume needed resources and required amounts thereof.

A popular trend of cloud computing (often within private enterprise) is to move desktop computing to a service-oriented platform using server clusters and huge databases at data centres. Cloud computing leverages its low cost and simplicity that benefits both users and the providers through providing cost-effective services and pay-per-use pricing model. In cloud computing, everything including software, platform, and infrastructure is offered as a service.

As cloud computing has been embraced by industry, business, government and research institutions, it is the intention of the editorial board to form a forum of dissemination of the most innovative developments, research issues and solutions in cloud computing and its related technologies. The objectives of *IJCC* are to develop, promote and coordinate the development and practice of cloud computing. *IJCC* aims to help professionals working in the field, academic educators and policy makers to contribute, to disseminate knowledge, and to learn from each other's work.

The international dimension is emphasised in order to overcome cultural and national barriers and to meet the needs of accelerating technological change and changes in the global economy. *IJCC* is an outstanding outlet that shapes a significant body of research in the field of cloud computing and in which results can be shared across institutions, governments, researchers and students, and also industry.

This implies that the scope of the journal is huge and the responsibility of the editorial board is enormous.

We greatly appreciate Inderscience confidence in us and support provided to start the first journal on clouds and cloud computing. Our special thanks go to the Publishing Editors M.A. Dorgham, Darren Simpson, Jim Corlet and Liz Harris who tirelessly guided us through the whole process that has led to the establishment of this journal and attention paid to every publication aspect to ensure a high quality journal in the field.

We thank the authors for their fine contribution and the reviewers/editors for adhering to a very high standard of *IJCC*.