

Preface

Welcome to this new journal in the field of networked and distributed computing.

The *International Journal of Networked and Distributed Computing* aims to include state-of-the-art research and developments in all fields related to networked and distributed computing. The journal mainly seeks peer-reviewed original research papers and occasionally, critical review papers on the foundations and new developments in networked and distributed computing. The focus will also be on publishing, in a timely manner, the results of applying new and emerging technologies originating from research in networked and distributed computing. Networked and distributed computing should be applied to a variety of areas, and applications can range across fields such as robotics, sea exploration, and green energy management.

In this inaugural issue of the journal, seven papers are presented that are co-authored by 17 active researchers in the field of networked and distributed computing ranging across the world from countries such as Australia, Bangladesh, China, France, Korea, Taiwan, and the United States. For this first issue, we have tried to find a balanced mixture of theory and applications in the field of networked and distributed computing. The first paper by Lee considers a number of different views on cloud computing, including technological advancing, IT deployment models, and economics. In the second paper, Amdouni, Minet, and Adjih analyze a distributed coloring algorithm optimized for dense wireless sensor networks. The third paper by Kang *et al.* proposes a new reliability estimation model to be used to manage unit reliability from early test phases. Zaman and Chowdhury propose a method to increase throughput in Mobile Ad-hoc Networks in the fourth paper. In the fifth paper, Wang, Chen, and Liu analyze sensors with changeable sampling frequencies in wireless sensor networks and develop a new algorithm to deal with faulty nodes. The sixth paper by Chen and Chen propose a new power-saving technique in multi-core processors. Finally, Anbao and Bin analyze the OLSR routing protocol and propose a way to determine the position of surrounding node in a network.

The successful launch of this journal would not have been possible without the initiative of Atlantis Press from Paris. Thanks are due to all contributors, including all co-authors of this issue, all reviewers, and all editorial board members of the journal for their co-operation in helping to launch this journal. May this journal become a truly comprehensive platform for the research world of networked and distributing computing and systems!

Roger Yim Lee
Editor-in-Chief