

Journal of Computers

Special Issue on Technologies Next-Generation Network Environments

FOREWORD

The Internet has been tightly bounded to our daily life; however, an over-reliance on the Internet leads to some concerns over security and privacy. With the unrelenting efforts of many researchers, the existing Internet has become progressively safe and dependable. Networks have become the foundation of new services. We are seeing integration of heterogeneous networks that provide data close to people. The goal of this special issue is to collect high-quality papers discussing technologies in next-generation network environments. This special issue welcomes researchers from both academia and industry to provide solutions. We wish this special issue can provide a good starting point for individuals who have the interest to enter this research area.

This special issue includes five papers. All these five papers were selected by the editorial committee from a large quality of outstanding submissions after the careful review process. The first paper, proposed by Kai Yang and Zhuhong Zhang from Guizhou University in China, presents a bio-inspired immune optimization algorithm in noisy environments. In the second paper, Tien-Szu Pan et al. from National Kaohsiung University of Applied Sciences in Taiwan, Haiphong Private University in Vietnam and Flinders University in Australia propose a hybrid particle swarm optimization with bat algorithm for heterogeneous wireless sensor networks. The third paper, proposed by Lin Xu et al. from Fujian Normal University in China, makes an extreme analysis on the reliability of parallel system with N element. In the fourth paper, Raylin Tso et al. from National Chengchi University in Taiwan and Soochow University in Taiwan demonstrate a password authentication scheme based on smart cards is insecure. They also propose a new scheme to solve the weaknesses they found. In the last paper, the hierarchy of concept lattice is introduced by Haixia Li et al. from Anhui Xinhua University in China and Harbin Institute of Technology Shenzhen Graduate School in China.

On behalf of the editorial committee, we would like to express my gratitude to all contributing authors and reviewers. I am also grateful to all members of the editorial committee for their excellent contributions.

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