FOREWORD

Special Section on New Paradigm on Content Distribution and Sharing

The widespread reach of broadband wired/wireless access networks has resulted in a rich variety of multimedia services, including high-quality audio and video content. Advanced information distribution and sharing technologies, such as content distribution networks (CDNs), peer-to-peer (P2P) technology, grid computing, and cloud computing, have emerged and been used widely for these services. These technologies, however, have been evolving in different ways, with the advent of new networks: for example, future Internet, next generation networks (NGNs), IP multimedia subsystems (IMS), and wireless ad-hoc/sensor and mesh networks. This special session was planned to discuss a new paradigm on content distribution and sharing to deal with these situations.

The Call for Papers attracted 29 submissions: 17 papers and 12 letters from China, France, Japan, Korea, and Spain. After careful review and much discussion, the editorial committee selected 5 papers (including two invited papers) and 3 letters. The selected papers and letters cover a variety of topics, including content-based networking, OpenFlow-based video delivery, P2P-based video streaming, content sharing for IPTV services, and location-free content distribution. The editorial committee hopes that this special section will help the readers share new knowledge and ideas and encourage R&D activities in this field.

As the guest editor-in-chief, I would like to express my sincere appreciation to all authors for their contributions and to all the reviewers and members of the editorial committee for their great effort in the review process.

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